

## **Historic, Archive Document**

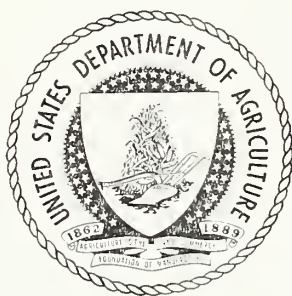
Do not assume content reflects current scientific knowledge, policies, or practices.



A99.551  
F767Tit  
Reserve

AD-33 Bookplate  
(5-61)

UNITED STATES  
DEPARTMENT OF AGRICULTURE  
LIBRARY



Reserve  
BOOK NUMBER 14543 A99.551  
F767Tit



2410  
PLANS

3 ✓  
TIMBER MANAGEMENT PLAN ,  
THOMPSON RIVER WORKING CIRCLE ,  
LOLO NATIONAL FOREST ,  
MONTANA ,  
1961 X

U. S. DEPT. OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY

OCT 30 1962

C & R-PREP.



TABLE OF CONTENTS

|                                                  | <u>Page</u> |
|--------------------------------------------------|-------------|
| A. TITLE AND APPROVAL SHEET .....                | 1           |
| B. MAP OF THOMPSON RIVER WORKING CIRCLE .....    | 2           |
| FOREWORD .....                                   | 3           |
| C. SUMMARY OF PLAN .....                         | 4           |
| D. MANAGEMENT PLAN .....                         | 5 - 35      |
| 1. LAND DESCRIPTION .....                        | 5           |
| a. Location .....                                | 5           |
| b. Boundaries .....                              | 5           |
| c. Subdivisions .....                            | 5           |
| d. Relation to Other Working Circles .....       | 5           |
| 2. SUMMARY OF RESULTS UNDER PREVIOUS PLANS ..... | 6           |
| 3. FOREST DESCRIPTION .....                      | 6 - 15      |
| a. General .....                                 | 6           |
| b. Inventory Areas .....                         | 7 - 10      |
| c. Inventory Volumes .....                       | 10 - 15     |
| 4. MANAGEMENT OBJECTIVES .....                   | 15 - 16     |
| a. Community Support .....                       | 15          |
| b. Silvicultural Objectives .....                | 16          |
| c. Growing Stock Objectives .....                | 16          |
| 5. COORDINATION WITH OTHER USES .....            | 16 - 18     |
| a. Water and Soil .....                          | 17          |
| b. Wildlife .....                                | 17 - 18     |
| c. Recreation .....                              | 18          |
| d. Grazing .....                                 | 18          |
| e. Mining .....                                  | 18          |
| f. Experimental Forests .....                    | 18          |
| 6. REGULATION .....                              | 18 - 24     |
| a. Rotations .....                               | 18 - 19     |
| b. Cutting Cycles .....                          | 19          |
| c. Growth and Mortality .....                    | 19 - 20     |
| d. Methods of Marking and Cutting .....          | 20          |
| e. Allowable Cut .....                           | 20 - 24     |
| f. Cutting Budget .....                          | 24          |
| 7. SALES POLICY .....                            | 25 - 26     |
| a. Size of Sales .....                           | 25          |
| b. Point of Manufacture .....                    | 25          |
| c. Merchantability Specifications .....          | 25          |
| d. Logging Methods .....                         | 26          |
| e. Christmas Trees .....                         | 26          |
| f. Other Products .....                          | 26          |
| 8. FOREST DEVELOPMENT .....                      | 26 - 34     |
| a. Transportation .....                          | 26 - 27     |
| b. Planting .....                                | 27 - 28     |
| c. Timber Stand Improvement .....                | 28 - 29     |
| d. Insect Control .....                          | 29 - 31     |
| e. Disease Control .....                         | 31 - 32     |

|                                                                                                                 | <u>Page</u> |
|-----------------------------------------------------------------------------------------------------------------|-------------|
| f. Rodent Control .....                                                                                         | 32          |
| g. Fire Control .....                                                                                           | 33 - 34     |
| h. Acquisition and Exchange .....                                                                               | 34          |
| 9. COOPERATION .....                                                                                            | 34 - 35     |
| a. With Other Federal Agencies .....                                                                            | 34          |
| b. With State Agencies .....                                                                                    | 35          |
| c. With Private Owners .....                                                                                    | 35          |
| d. With Private Organizations .....                                                                             | 35          |
| E. SUPPORTING DATA .....                                                                                        | 36 - 40     |
| 1. HISTORY .....                                                                                                | 36 - 38     |
| 2. PHYSIOGRAPHY .....                                                                                           | 38 - 39     |
| a. Topography .....                                                                                             | 38          |
| b. Soils .....                                                                                                  | 39          |
| c. Climate .....                                                                                                | 39          |
| 3. ECONOMY .....                                                                                                | 39 - 40     |
| a. Population of Communities and the County .....                                                               | 39          |
| b. Industries .....                                                                                             | 40          |
| F. OPERATION OF PLAN .....                                                                                      | 41          |
| 1. ANNUAL PLANS .....                                                                                           | 41          |
| 2. CONTROL RECORDS .....                                                                                        | 41          |
| 3. MAP RECORDS .....                                                                                            | 41          |
| <u>APPENDIX</u> .....                                                                                           | 42 - 150    |
| Inventory Technique and Accuracy .....                                                                          | 43          |
| Reliability of the Data .....                                                                                   | 43 - 44     |
| Table 1 - Block Summary of Land Area by Ownership and Major<br>Classes of Forest Land .....                     | 45          |
| "    2a - Commercial Forest Land by Ownership, Type, and<br>Stand-Size Class .....                              | 45 - 47     |
| "    2b - Commercial National Forest Land by Forest Types,<br>Stand-Size Classes, and Stocking .....            | 48          |
| "    3a - Commercial Forest Land Area by Type, Strata, and<br>Ownership .....                                   | 49 - 53     |
| "    3b - Commercial Forest Land by Type, Strata, Ownership,<br>and Block (Plains Block) .....                  | 54 - 57     |
| "    3c - Commercial Forest Land by Type, Strata, Ownership,<br>and Block (Thompson Falls Block) .....          | 58 - 61     |
| "    4. Volume Per Acre by Strata and Cull Percent .....                                                        | 62          |
| "    4a - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Douglas-fir) .....    | 63          |
| "    4b - Net Board Foot Volumes Per Acre for Sawtimber-<br>Size Material (Douglas-fir) .....                   | 63          |
| "    4c - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Ponderosa Pine) ..... | 64          |
| "    4d - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Ponderosa Pine) .....                     | 64          |
| "    4e - Net Cubic Foot Volumes Per Acre for Sawtimber- and<br>Poletimber-Size Material (Lodgepole Pine) ..... | 65          |
| "    4f - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Lodgepole Pine) .....                     | 65          |



|                                                                                                                                                   | <u>Page</u> |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Table 4g - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Larch) .....                                           | 66          |
| " 4h - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Larch) .....                                                                   | 66          |
| " 4i - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Grand Fir) .....                                           | 67          |
| Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Grand Fir) .....                                                                      | 67          |
| " 4j - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Spruce) .....                                              | 68          |
| " 4k - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Spruce) .....                                                                  | 68          |
| " 4l - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Subalpine Fir) ....                                        | 69          |
| " 4m - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Subalpine Fir) .....                                                           | 69          |
| " 4n - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Mountain Hemlock)..                                        | 70          |
| " 4o - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Mountain Hemlock) .....                                                        | 70          |
| " 4p - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (White Pine) .....                                          | 71          |
| " 4q - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (White Pine) .....                                                              | 71          |
| " 4r - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Cedar) .....                                               | 72          |
| " 4s - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Cedar) .....                                                                   | 72          |
| " 4t - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (WLP) .....                                                 | 73          |
| " 4u - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Whitebark Pine and Limber Pine) .....                                          | 73          |
| " 4v - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Aspen) .....                                               | 73          |
| " 4w - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Aspen) .....                                                                   | 73          |
| " 4x - Net Cubic Foot Volumes Per Acre for Sawtimber-<br>and Poletimber-Size Material (Cottonwood) .....                                          | 74          |
| " 4y - Net Board Foot Volumes Per Acre Sawtimber-Size<br>Material (Cottonwood) .....                                                              | 74          |
| " 5a - Volume of Live Sawtimber by Ownership, Stand-Size<br>Class, Forest Type and Species .....                                                  | 75 - 78     |
| " 5b - Volume of Live Sawtimber by Ownership, Stand-Size<br>Class, Forest Type, and Species (Plains Block) ...                                    | 79 - 82     |
| " 5c - Volume of Live Sawtimber by Ownership, Stand-Size<br>Class, Forest Type, and Species (Thompson Falls Blk)                                  | 83 - 86     |
| " 6a - Net Partial Cubic Contents of Growing Stock by<br>Ownership, Forest Type, Stand-Size Class, Tree<br>Size, and Species .....                | 87 - 97     |
| " 6b - Net Partial Cubic Contents of Growing Stock by<br>Ownership, Forest Type, Stand-Size Class, Tree<br>Size, and Species (Plains Block) ..... | 98 -108     |

|                                                                                                                                                         |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Table 6c - Net Partial Cubic Contents of Growing Stock by Ownership, Forest Type, Stand-Size Class, Tree Size, and Species (Thompson Falls Block) ..... | 109 - 119 |
| " 7 - Periodic Annual Growth of Sawtimber and Other Products (1955-1959 Incl.) .....                                                                    | 120       |
| " 8 - Potential (Normal and Realizable) Mean Annual Growth and Growing Stock of Sawtimber .....                                                         | 121       |
| " 9 - Indicated Allowable Annual Cut in Area and Volume of Sawtimber from National-Forest Lands by Kemp Formula .....                                   | 122       |
| " 9a - Allowable Annual Cut by Types and Species of Sawtimber from Harvest Cuttings .....                                                               | 123       |
| " 10 - Indicated Allowable Annual Cut of Other Products by Kemp Formula from Harvest Cuttings .....                                                     | 123       |
| " 11 - Indicated Allowable Annual Cut of Sawtimber and Other Products by Von Mantel Formula .....                                                       | 124       |
| " 12 - Indicated Allowable Annual Cut of Sawtimber by the Austrian Formula .....                                                                        | 125       |
| " 13 - Indicated Allowable Annual Cut of Sawtimber by the Hanzlik Formula .....                                                                         | 126       |
| " 14 - Tabular Check of Growing Stock Against Allowable Annual Cut of 42 MM Board Feet .....                                                            | 127       |
| " 15 - Indicated Allowable Annual Cut Available from Intermediate Cuttings and Volume Per Acre Available from Cutting Areas .....                       | 128 - 129 |
| " 16 - Average Annual Rates of Growth and Mortality as Determined from 1958 & 1959 Inventory Growth Samples .....                                       | 130       |
| " 17 - Working Circle Control Record Summary (Plains Block).....                                                                                        | 131       |
| " 17a - Proposed Cut and Sell Plains (Plains District)..                                                                                                | 132 - 133 |
| " 17b - Timber Access Roads (Plains District) .....                                                                                                     | 134 - 135 |
| " 17c - Uncut Volume Under Contract Available for Cutting (Plains District) .....                                                                       | 136       |
| " 18 - Control Record Summary (Thompson Falls Block) ..                                                                                                 | 137       |
| " 18a - Proposed Cut and Sell Plans (Thompson Falls District) .....                                                                                     | 138       |
| " 18b - Timber Access Roads (Thompson Falls District) ..                                                                                                | 139       |
| " 18c - Uncut Volume Under Contract Available for Cutting (Thompson Falls District) .....                                                               | 140       |
| " 19 - Actual Cut of the Past 5 Years by Species .....                                                                                                  | 141       |
| " 20 - Current Determination of Plantable Acres and 4-Year Planting Plan (Plains Block) .....                                                           | 142 - 143 |
| " 20a - Current Determination of Plantable Acres and 4-Year Planting Plan (Thompson Falls Block) ....                                                   | 144 - 145 |
| " 21 - Summary of K-V Work Inventory and Plan .....                                                                                                     | 146       |
| " 22 - Number of Fires, Acres Burned, and Causes (1941-1960) .....                                                                                      | 147       |
| " 23 - Three-Year Right-of-Way Requirements (1962-1964 Inc.) .....                                                                                      | 148 - 149 |
| List of Materials Not Reproduced .....                                                                                                                  | 150       |

TIMBER MANAGEMENT PLAN  
THOMPSON RIVER WORKING CIRCLE  
LOLO NATIONAL FOREST  
REGION ONE, MONTANA  
1961

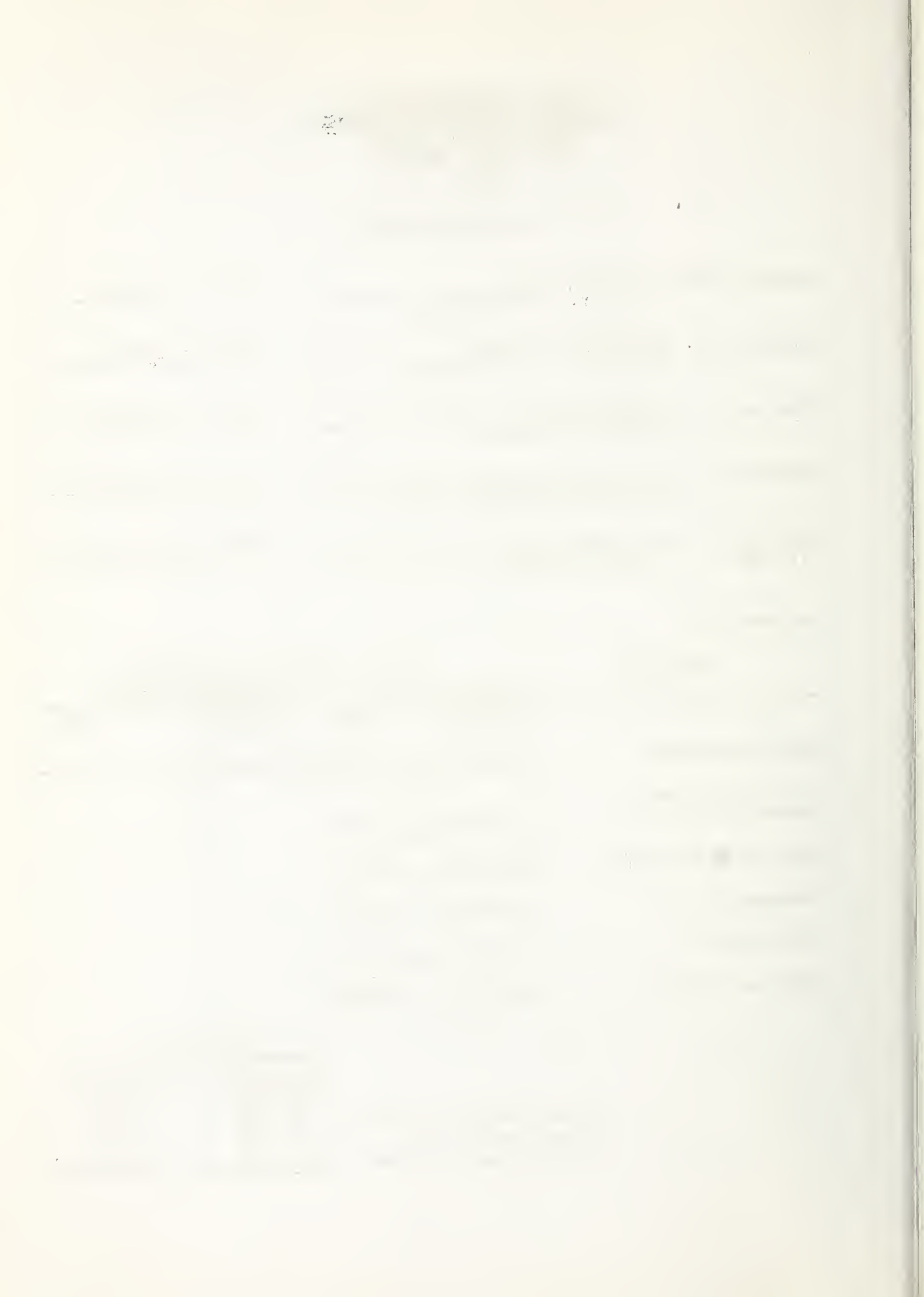
A. TITLE AND APPROVAL SHEET

|                                                                    |                      |
|--------------------------------------------------------------------|----------------------|
| Submitted by <u>/s/ Irwin Puphal</u><br>District Forest Ranger     | Date <u>6/14/61</u>  |
| Submitted by <u>/s/ Noel E. Rosetta</u><br>District Forest Ranger  | Date <u>6/14/61</u>  |
| Approved by <u>/s/ R. Leavitt</u><br>Forest Supervisor             | Date <u>6/16/61</u>  |
| Approved by <u>/s/ W. H. Johnson</u><br>Acting Regional Forester   | Date <u>7/17/61</u>  |
| Approved by <u>/s/ Clare Hendee</u><br><u>/s/ DJM</u> Acting Chief | Date <u>10/ 3/61</u> |

Reviewed by:

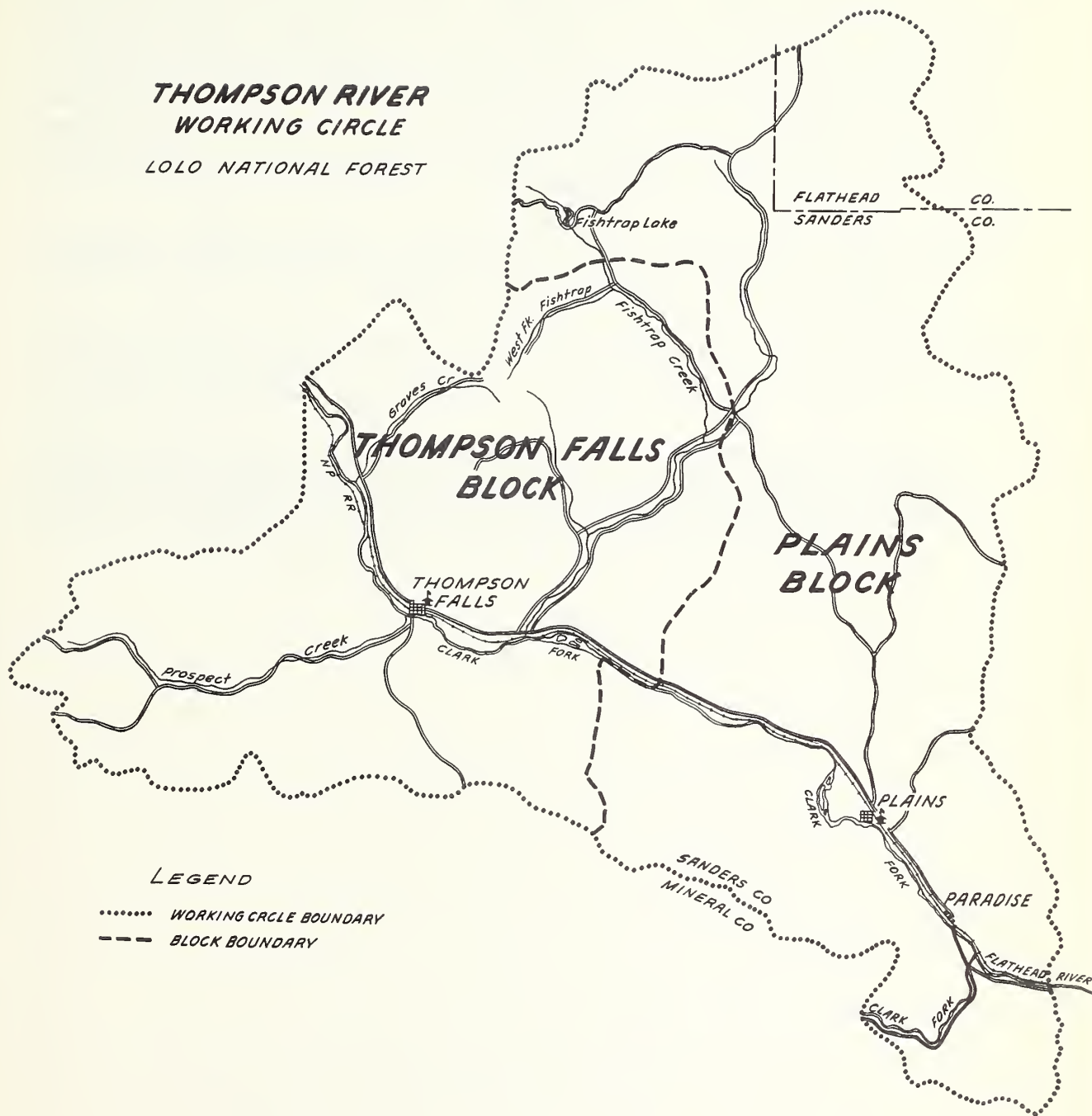
| <u>DIVISIONS</u>                      | <u>REGIONAL OFFICE</u>       | <u>WASHINGTON OFFICE</u>    |
|---------------------------------------|------------------------------|-----------------------------|
|                                       | <u>Initials</u> <u>Date</u>  | <u>Initials</u> <u>Date</u> |
| Timber Management                     | : <u>/s/ GFW WHJ 7/17/61</u> | :                           |
| Recreation, Lands &<br>Watershed Mgt. | : <u>/s/ FB GFC 7/18/61</u>  | :                           |
| Range & Wildlife Mgt.                 | : <u>/s/ WLE 7/18/61</u>     | :                           |
| Engineering                           | : <u>/s/ HRW 7/18/61</u>     | :                           |
| Fire Control                          | : <u>/s/ DeS 7/20/61</u>     | :                           |
| State and Private                     | : <u>/s/ HJH 7/18/61</u>     | :                           |

|                         | <u>RESEARCH</u>                                              |
|-------------------------|--------------------------------------------------------------|
|                         | <u>Intermountain Forest and<br/>Range Experiment Station</u> |
|                         | <u>Initials</u> <u>Date</u>                                  |
| Forest Disease Research | : <u>/s/ JWK 6/16/61</u>                                     |
| Forest Mgt. Research    | : <u>/s/ CAW 6/27/61</u>                                     |
| Forest Insect Research  | : <u>/s/ DEP 6/16/61</u>                                     |



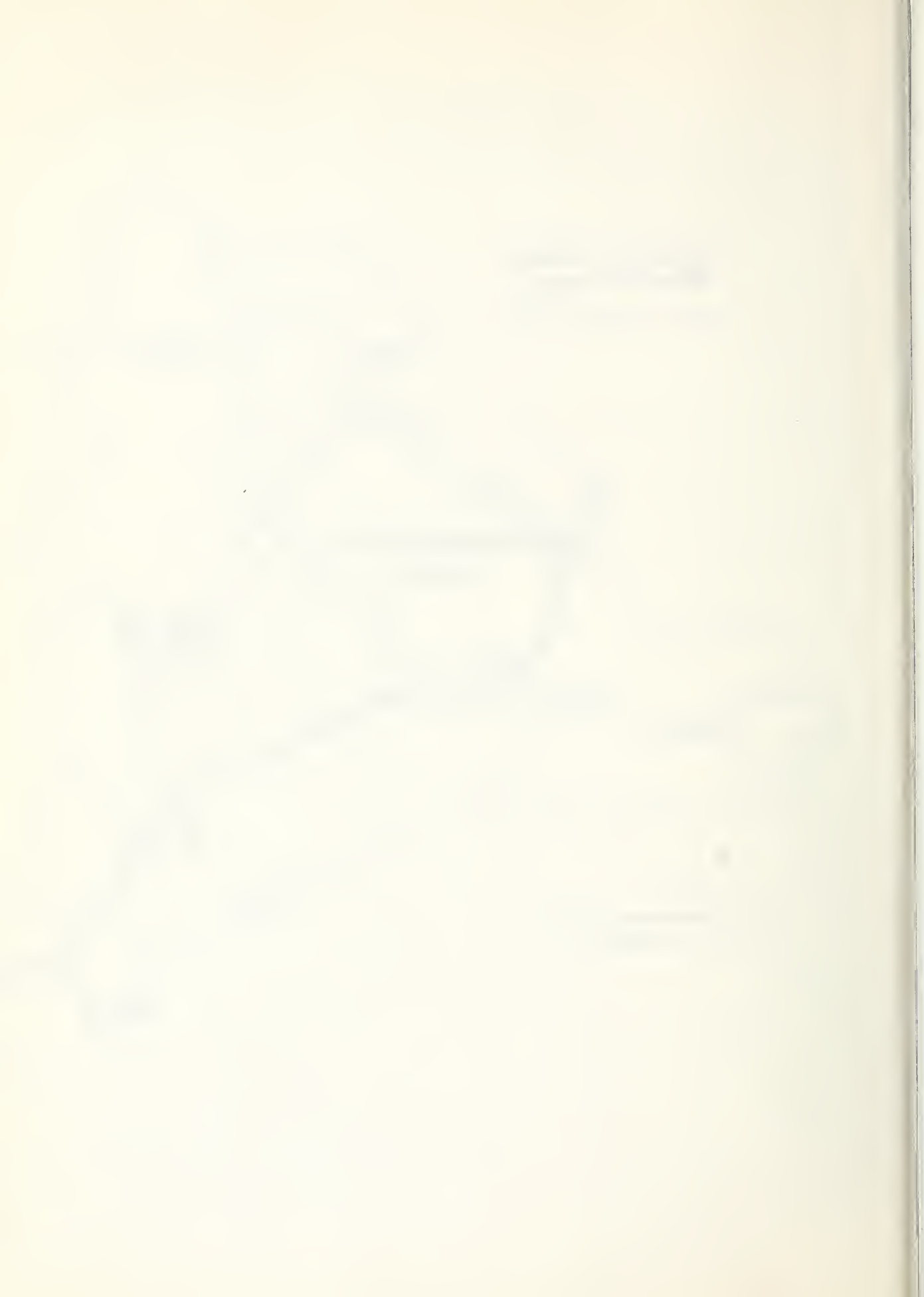


**THOMPSON RIVER  
WORKING CIRCLE**  
LOLO NATIONAL FOREST



**LEGEND**

- ..... WORKING CIRCLE BOUNDARY
- BLOCK BOUNDARY



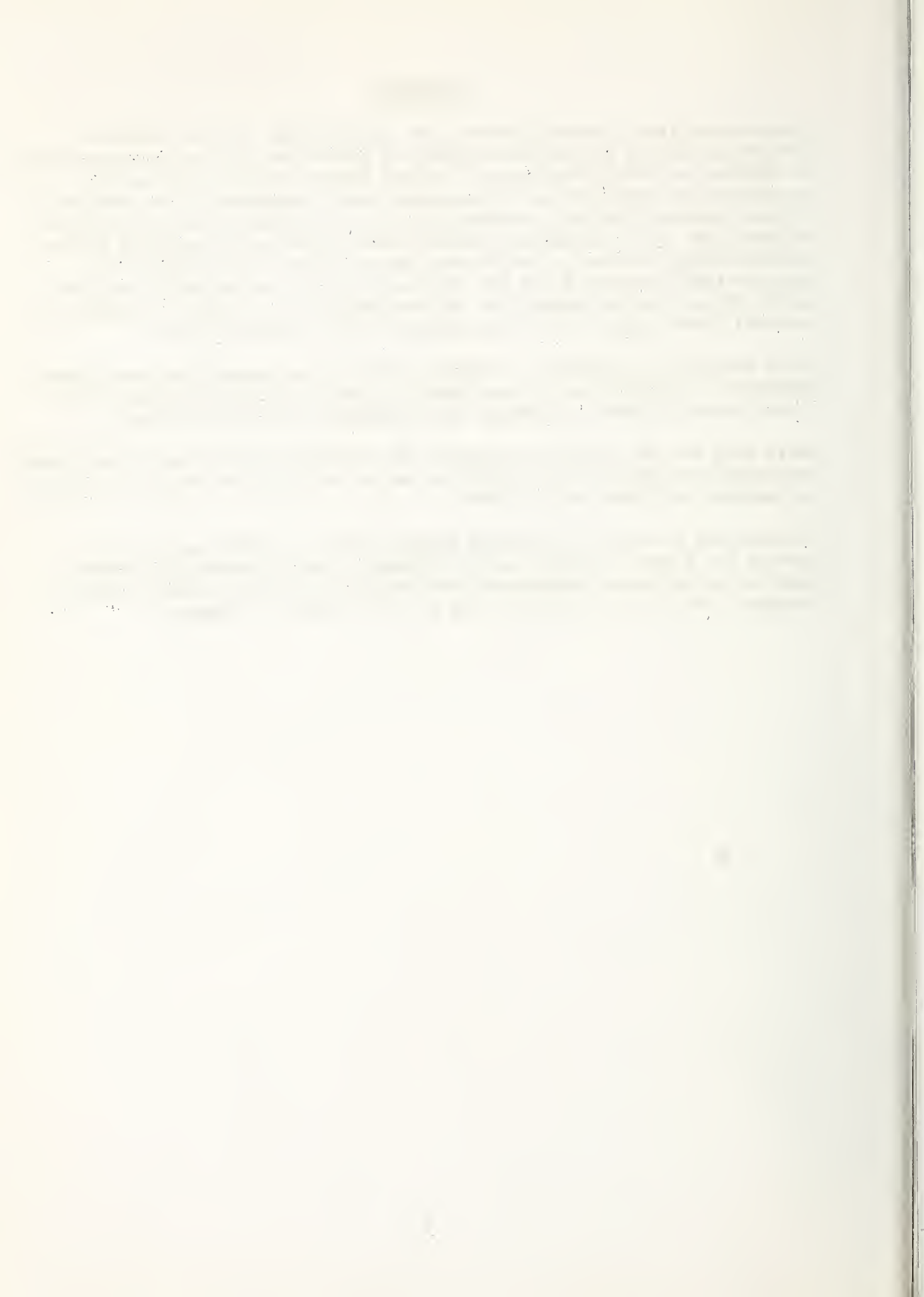
## FOREWORD

Instructions from Congress provide that the national forests shall be managed to furnish a continuous supply of timber for the use and necessities of citizens of the United States. Forest Service policy requires the development and application of sustained yield management of the national forests, working circle by working circle. It is the purpose of this plan to apply the timber management policies and objectives of national forest administration growing out of related Federal laws, particularly the Multiple Use-Sustained Yield Act of June 12, 1960, as currently set forth in the Forest Service Manual, to the management of the timber resources of national-forest lands within the Thompson River Working Circle.

While the plan is primarily concerned with the nonreserved national forest ownership, consideration is also given to the intermingled and adjacent forest lands in other ownerships which influence the local economy.

Basic data for the plan were obtained by a sampling survey and timber typing on aerial photographs. The objective was to restrict the sampling error to 10 percent, two times out of three.

The plan was prepared by District Rangers Irwin C. Puphal and Noel E. Rosetta and former District Ranger Richard L. Carter, under the general supervision of Forest Supervisor Ross Leavitt and Timber Staffman John C. Crupper. Technical supervision was by A. B. Bowman, Forester.



### C. SUMMARY OF PLAN

#### 1. AREA OF COMMERCIAL FOREST LAND

|                           |                     | <u>Ownerships</u>         |                      |              |
|---------------------------|---------------------|---------------------------|----------------------|--------------|
| <u>National Forest</u>    | <u>Other Public</u> | <u>Industrial Private</u> | <u>Other Private</u> | <u>Total</u> |
| ----- Area in Acres ----- |                     |                           |                      |              |
| 461,570                   | 9,148 <sup>1/</sup> | 54,161                    | 15,042               | 539,921      |

#### 2. TOTAL TIMBER VOLUME ON COMMERCIAL FOREST LAND

| <u>Ownership</u>   | <u>Sawtimber</u><br><u>MBF (Scrib.)</u> | <u>Other Products</u><br><u>M cords</u> |
|--------------------|-----------------------------------------|-----------------------------------------|
| National Forest    | 2,963,758                               | 3,899                                   |
| Other Public       | 68,735 <sup>2/</sup>                    | 88                                      |
| Industrial Private | 381,249                                 | 508                                     |
| Other Private      | 94,125                                  | 127                                     |
| <u>TOTAL</u>       | <u>3,507,867</u>                        | <u>4,622</u>                            |

#### 3. ANNUAL ALLOWABLE CUT (National Forest Lands)

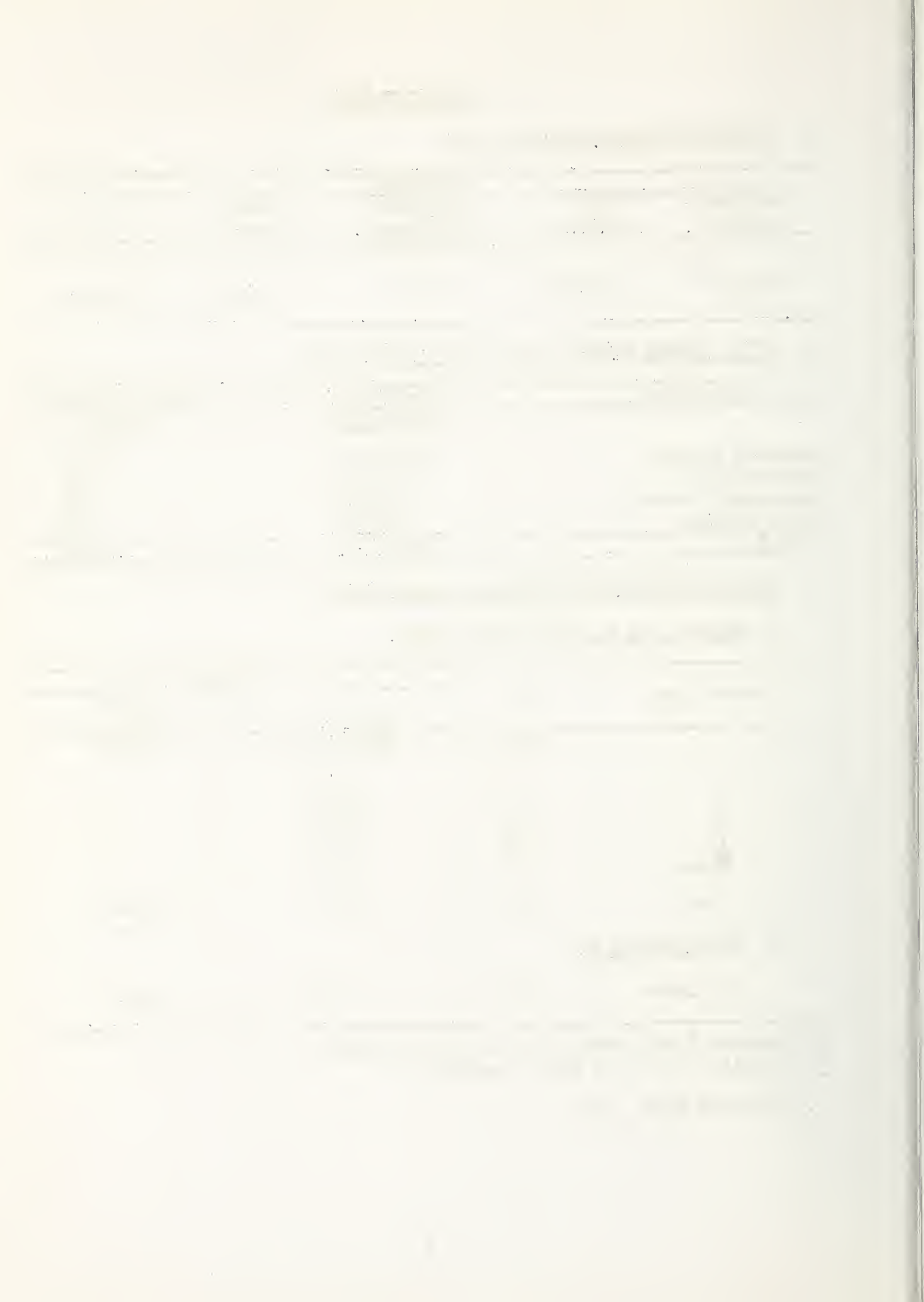
##### A. Harvest Cut by Major Forest Types

| <u>Forest Type</u>         | <u>Area</u>  | <u>Volume</u>                           |                                       |
|----------------------------|--------------|-----------------------------------------|---------------------------------------|
|                            |              | <u>Sawtimber</u><br><u>MBF (Scrib.)</u> | <u>Other Products</u><br><u>cords</u> |
|                            | <u>acres</u> |                                         |                                       |
| P                          | 490          | 4,000                                   | -                                     |
| L                          | 870          | 11,500                                  | -                                     |
| D                          | 1,300        | 16,000                                  | -                                     |
| LP                         | 1,750        | 6,500                                   | -                                     |
| Other                      | 290          | 4,000                                   | -                                     |
| Total                      | 4,700        | 42,000                                  | 50,000                                |
| -----                      |              |                                         |                                       |
| B. <u>Intermediate Cut</u> |              |                                         |                                       |
| All Types                  | 4,350        | 5,700                                   | 11,000                                |

1/ Contains 8,408 acres owned by State of Montana

2/ Contains 66,504 MBF State ownership

4. REVISION DATE: 1970





## D. MANAGEMENT PLAN

### 1. LAND DESCRIPTION

#### a. Location

The Thompson River Working Circle lies entirely within the proclaimed boundaries of the Lolo National Forest in the State of Montana. The two principal towns within the working circle, Plains and Thompson Falls are 75 and 100 miles, respectively, northwest of Missoula.

#### b. Boundaries

The working circle boundary coincides with the exterior boundaries of the Thompson Falls and Plains Ranger Districts. The working circle is bounded on the north by the Kootenai National Forest; on the east by the Flathead Indian Reservation; on the south by the Superior, Ninemile, and St. Regis Ranger Districts of the Lolo National Forest; and on the west by the Wallace Ranger District of the Coeur d'Alene National Forest and the Trout Creek District of the Kaniksu National Forest.

#### c. Subdivisions

The working circle is divided into two blocks which correspond to the Thompson Falls and Plains Ranger Districts respectively. The blocks are further subdivided into 78 compartments, 34 of which are in the Plains Block and 44 in the Thompson Falls Block. Compartment boundaries are delineated by natural topographic features and national forest boundaries.

#### d. Relation to Other Working Circles

The Thompson River Working Circle is one of three within the Lolo National Forest. The towns of Thompson Falls and Plains are situated near the center of the working circle in the Clark Fork River Valley. All the main routes of travel within the working circle radiate from these central points. There are strong political, marketing, and community ties binding all the area within this working circle to the two towns and environs.

Five other national forest working circles surround the Thompson River Working Circle. Four of these, the Missoula, Mineral, Cabinet, and Kootenai serve some of the same markets as the Thompson River Working Circle due to common highway and rail transportation systems. Operating areas of the manufacturing plants located within the five working circles generally extend beyond the limits of any one of them. As a result, timber moves rather freely from woods to mill without regard to working circle boundaries.

## 2. SUMMARY OF RESULTS UNDER PREVIOUS PLANS

A timber management policy statement for the Cabinet National Forest, of which the Thompson Falls and Plains Ranger Districts were parts, was submitted to the Chief of the Forest Service in 1943. This plan proposed that the entire forest be managed as one working circle for the Support of Thompson Falls. It was not approved. Subsequently, the forest was divided into the St. Regis and Sanders County Working Circles, with the Thompson Falls and Plains Districts included in the latter. A plan was prepared by the forest and approved by the Chief for the St. Regis Working Circle, but the plan for the Sanders County Working Circle was never fully completed.

In 1954, the Cabinet National Forest was inactivated and its ranger districts were absorbed by three adjoining forests, the Plains and Thompson Falls Districts becoming parts of the Lolo National Forest. Preliminary timber management plans, which treated each district as a separate working circle, were prepared in 1956. These were not completed when it was determined that the two districts should be combined into one working circle.

Pending completion of a management plan for the Thompson River Working Circle, an interim allowable cut based on Forest Survey data was established in 1958. This provided for an annual cut of 35 million board feet of sawtimber and 16,000 cords of other products. For actual cut during the period 1956-1960, see appendix table 19.

## 3. FOREST DESCRIPTION

### a. General

Most of the working circle is uniformly covered with commercial forests of various age and size classes. However, there are scattered areas of nonstocked burns and nonforest lands totaling about 5 percent of the land area. About two-thirds of this is in the Thompson Falls Block. Large fires have burned over parts of the working circle, particularly the Thompson Falls Block. These burns have largely been naturally restocked and now support stands of poles, seedlings, and saplings. About 37 percent of the commercial forest land is covered with stands of these younger age classes.

The commercial stands are composed of 11 coniferous species in various combinations and associations, which are dictated by soils, topography, elevation, and local climate. Nine of these species have significant commercial importance in the present economy of the area.

Soils vary greatly in physical properties and depths. Growing conditions are good in and near the narrow creek bottoms, but sites become poorer with increase in elevation on the slopes. However, sites on only 5 percent of the forested area are so severe that commercial timber cannot be grown.



b. Inventory Areas

(1) Land Ownership - National-forest land in the working circle comprises 85.8 percent of the gross area; other public, mostly State land, 1.7 percent; and private, 12.5 percent. Table 1 shows the ownership and class of land within the working circle.

TABLE 1 - LAND AREA BY OWNERSHIP AND MAJOR LAND CLASSES<sup>1/</sup>

| Land Class      | National Forest | Other Public | Large Private | Other Private | Total         |
|-----------------|-----------------|--------------|---------------|---------------|---------------|
| Forest Land     |                 |              |               |               |               |
| Commercial      | 461,570         | 9,148        | 54,161        | 15,042        | 539,921       |
| Noncommercial   | <u>23,480</u>   | <u>77</u>    | <u>690</u>    | <u>596</u>    | <u>24,843</u> |
| Subtotal        | 485,050         | 9,225        | 54,851        | 15,638        | 564,764       |
| Nonforest Land  | <u>8,834</u>    | <u>262</u>   | <u>295</u>    | <u>1,513</u>  | <u>10,904</u> |
| Total Land Area | 493,884         | 9,487        | 55,146        | 17,151        | 575,668       |

<sup>1/</sup> For block totals, see appendix table 1.

National-forest land inside the forest boundaries is in relatively solid blocks except for areas of checkerboard ownership within the limits of the Northern Pacific land grant. Most of the private land lying in this checkerboard pattern is owned by the Anaconda Company and the Northern Pacific Railway Company.

(2) Types and Size Classes - Distribution of growing stock by types, size classes, and ownership is shown in table 2. The Douglas-fir type occupies the largest area of national-forest land, followed closely by the lodgepole pine type. Together, these two types cover about 64 percent of the commercial forest land. The western larch and ponderosa pine types are in third and fourth positions, respectively, in total area occupied. These four types account for 94 percent of the commercial forest area, with the balance being distributed among seven other coniferous types and a very small area of hardwoods.

Except for lodgepole pine, the area in seedlings and saplings is only a very minor part of the total commercial forest land. This relationship will change as the older sawtimber stands are cut and regenerated. The imbalance between the area in young growth, including poles, and the area in sawtimber for the ponderosa pine type is particularly large. Future management practices will be directed toward a better balance of size classes for this type.

TABLE 2 - COMMERCIAL FOREST LAND (NONRESERVED) BY OWNERSHIP,  
TYPE, AND SIZE CLASS<sup>1/</sup>

| Forest Type       | Sawtbr. | Poles   | Seedling Sapling | Stocked Subtotal | Non-stocked | Total   | Percent |
|-------------------|---------|---------|------------------|------------------|-------------|---------|---------|
| ----- Acres ----- |         |         |                  |                  |             |         |         |
| NATIONAL FOREST   |         |         |                  |                  |             |         |         |
| Douglas-fir       | 108,782 | 33,191  | 216              | 142,189          | 10,537      | 152,726 | 33.1    |
| Ponderosa Pine    | 46,435  | 293     | 35               | 46,763           | 4,394       | 51,157  | 11.1    |
| Lodgepole Pine    | 14,331  | 119,237 | 5,824            | 139,392          | 1,922       | 141,314 | 30.6    |
| Western Larch     | 76,245  | 10,276  | 210              | 86,731           | -           | 86,731  | 18.8    |
| Engelmann Spruce  | 10,483  | 41      | -                | 10,524           | 2,084       | 12,608  | 2.7     |
| Subalpine Fir     | 4,279   | 788     | 20               | 5,087            | 45          | 5,132   | 1.1     |
| Grand Fir         | 1,652   | 55      | -                | 1,707            | -           | 1,707   | .4      |
| White Pine        | 2,310   | 25      | -                | 2,335            | -           | 2,335   | .5      |
| Whitebark Pine    | 92      | -       | -                | 92               | -           | 92      | -       |
| Mt. Hemlock       | 6,603   | 477     | 86               | 7,166            | -           | 7,166   | 1.6     |
| Western Red Cedar | 427     | -       | -                | 427              | -           | 427     | .1      |
| Hardwoods         | 165     | 10      | -                | 175              | -           | 175     | -       |
| Subtotal          | 271,804 | 164,393 | 6,391            | 442,588          | 18,982      | 461,570 |         |
| Percent           | 58.9    | 35.6    | 1.4              | 95.9             | 4.1         |         | 100.0   |
| OTHER PUBLIC      |         |         |                  |                  |             |         |         |
| All Types         | 6,509   | 2,511   | -                | 9,020            | 128         | 9,148   |         |
| LARGE PRIVATE     |         |         |                  |                  |             |         |         |
| All Types         | 34,003  | 19,017  | 217              | 53,237           | 924         | 54,161  |         |
| OTHER PRIVATE     |         |         |                  |                  |             |         |         |
| All Types         | 9,135   | 5,263   | 197              | 14,595           | 447         | 15,042  |         |
| ALL OWNERS        |         |         |                  |                  |             |         |         |
| All Types         | 321,451 | 191,184 | 6,805            | 519,440          | 20,481      | 539,921 |         |

<sup>1/</sup> In block totals, see appendix table 2.

(3) Age Classes - Age class distribution of commercial forest growing stock on national-forest lands is summarized in Table 3a. This table shows that stands older than the rotation age cover over 57 percent of the total stocked commercial forest land. Of the younger stands, only the 61-80 year age class occupies about the proper proportion of the total commercial forest land. The lack of acreage in the 1-20 and 21-40 year age class is especially striking. The inadequate acreage in the younger age classes will gradually be corrected as the old stands are harvested. However, cutting in these old stands will have to be spread over a period sufficiently long to overcome deficiencies in acreage of the young age classes. Distribution of ages by types is more erratic and less reliable statistically.

TABLE 3a - AGE CLASS DISTRIBUTION OF COMMERCIAL FOREST GROWING STOCK BY TYPES ON NATIONAL-FOREST LANDS

| Age Class | Forest Types |        |         |            |                |           | Total   | Percent |
|-----------|--------------|--------|---------|------------|----------------|-----------|---------|---------|
|           | P            | L      | D       | S-AF<br>MH | W-C<br>GF-Hdw. | LP<br>WLP |         |         |
|           | Acres        |        |         |            |                |           |         |         |
| 1- 20     | 35           | 210    | 216     | 106        | -              | 2,912     | 3,479   | 0.8     |
| 21- 40    | -            | 4,326  | 2,839   | 1,133      | 232            | 2,912     | 11,442  | 2.6     |
| 41- 60    | -            | 8,652  | 15,617  | 2,267      | 464            | -         | 27,000  | 6.1     |
| 61- 80    | 5,140        | 10,382 | 19,876  | 2,720      | 557            | 22,722    | 61,397  | 13.9    |
| 81-100    | 3,271        | 4,326  | 25,555  | 1,133      | 232            | -         | 34,517  | 7.8     |
| 101-120   | 1,869        | -      | 5,679   | -          | -              | 22,722    | 30,270  | 6.8     |
| 121-140   | 5,140        | 12,113 | 2,839   | 3,174      | 650            | -         | 23,916  | 5.4     |
| 141-160   | 6,542        | -      | 15,617  | -          | -              | -         | 22,159  | 5.0     |
| 161-180   | 1,869        | 1,730  | 14,197  | 453        | 93             | 22,722    | 41,064  | 9.3     |
| 181-200   | 1,869        | 10,382 | 19,876  | 2,720      | 557            | 22,722    | 58,126  | 13.1    |
| 200+      | 21,028       | 34,610 | 19,878  | 9,071      | 1,859          | 42,772    | 129,218 | 29.2    |
| Total     | 46,763       | 86,731 | 142,189 | 22,777     | 4,644          | 139,484   | 442,588 | 100.0   |

(4) Site Quality - Only 17 percent of the acreage of commercial forest land is classed as good site in table 3b. The lodgepole pine type accounts for 90 percent of this. Larch covers most of the rest. This does not mean that all the better tree-growing sites are in possession of lodgepole pine. Actually, the sites occupied by white pine, cedar, grand fir and possibly larch are better. It does mean that yield table site classification methods rate lodgepole pine higher than other species on similar sites even though growth is less.

Representation of Douglas-fir sites is about average for this part of Montana, but ponderosa pine is far down the line with 100 percent of the type on poor sites. Surprisingly, the spruce, subalpine fir, and mountain hemlock types are also 100 percent on poor sites.



TABLE 3b - SITE QUALITIES BY TYPES ON NATIONAL-FOREST LANDS

| Forest Type | Site Classes |         |         |         |         |         | Total<br>Acres |
|-------------|--------------|---------|---------|---------|---------|---------|----------------|
|             | Good         |         | Medium  |         | Poor    |         |                |
|             | Acres        | Percent | Acres   | Percent | Acres   | Percent |                |
| P           | -            | -       | -       | -       | 51,157  | 100     | 51,157         |
| L           | 5,204        | 6       | 26,887  | 31      | 54,640  | 63      | 86,731         |
| D           | -            | -       | 61,090  | 40      | 91,636  | 60      | 152,726        |
| S-AF-MH     | -            | -       | -       | -       | 24,906  | 100     | 24,906         |
| W-C-GF      | 929          | 20      | 3,251   | 70      | 464     | 10      | 4,644          |
| LP          | 70,703       | 50      | 63,633  | 45      | 7,070   | 5       | 141,406        |
| Total       | 76,836       | 17      | 154,861 | 33      | 229,873 | 50      | 461,570        |

(5) Stocking and Thrift - Stocking and thrift vary rather widely with stand-size class, timber type, and site. The younger age classes, particularly pole stands, are generally more fully stocked than the sawtimber stands. This is especially true of larch and lodgepole pine. Stocking in ponderosa pine pole stands is reasonably good but is poor in the sawtimber and seedling and sapling stands. The pattern for Douglas-fir is similar to that for ponderosa pine, but overall its stocking is better.

Well-stocked stands in all size classes tend to be too dense for optimum growth, and nearly all need weeding, thinning, or release cuttings. Medium-stocked and some poorly-stocked stands in the young age classes are in a better condition to put on maximum growth while approaching merchantable size. One-third of the commercial forest area is classed as poorly-stocked or nonstocked. Some of this area will fill in naturally, but a large area will require planting if satisfactory stocking is to be secured in a reasonable time.

Thriftiness varies with age, site quality, and aspect as well as stocking. Generally it is poorer than desirable because of stagnation and low vigor in over-dense stands. In many wild stands which have developed after fires, this condition has persisted for a long time making them increasingly susceptible to insect and disease attack.

Appendix table 2b shows the area breakdown of stocked commercial national-forest land into types, stand-size class, and degree of stocking.

#### c. Inventory Volumes

(1) Volumes by Species and Ownership - The total present live sawtimber volume in the Thompson River Working Circle is over 3.5 billion board feet, of which almost 3 billion board feet, or 84 percent, is on national-forest land. Industrial private lands have 381 million board feet or 11 percent of the total volume.

TABLE 4a - VOLUME OF LIVE SAWTIMBER ON COMMERCIAL FOREST LAND BY SPECIES,  
STAND-SIZE CLASS, AND OWNERSHIP

| SAWTIMBER VOLUME BY SPECIES       |              |         |         |         |           |         |         |         |                   |                 |                 |           |
|-----------------------------------|--------------|---------|---------|---------|-----------|---------|---------|---------|-------------------|-----------------|-----------------|-----------|
| Stand-Size and Owner-ship         | Area         | WP      | P       | L       | D         | S       | SAF     | GF      | LPP <sup>1/</sup> | H <sup>2/</sup> | C <sup>3/</sup> | Total     |
|                                   | <u>Acres</u> |         |         |         |           |         |         |         |                   |                 |                 |           |
| M Board Feet (Scribner Decimal C) |              |         |         |         |           |         |         |         |                   |                 |                 |           |
| <u>Sawtimber</u>                  |              |         |         |         |           |         |         |         |                   |                 |                 |           |
| Nat. Forest                       | 271,804      | 98,277  | 361,692 | 503,659 | 944,403   | 222,511 | 188,209 | 118,475 | 187,526           | 62,327          | 19,269          | 2,706,348 |
| Other Pub.                        | 6,509        | 2,729   | 7,303   | 12,388  | 27,100    | 3,511   | 2,972   | 4,394   | 3,625             | -               | -               | 64,022    |
| Lge. Priv.                        | 34,003       | 13,327  | 52,114  | 62,327  | 136,100   | 21,201  | 17,910  | 11,308  | 21,198            | 7,769           | 1,835           | 345,089   |
| Other Priv.                       | 9,135        | 2,714   | 13,215  | 16,076  | 35,070    | 4,868   | 4,095   | 3,260   | 3,879             | 1,727           | 1,004           | 85,908    |
| TOTAL                             | 321,451      | 117,047 | 434,324 | 594,450 | 1,142,673 | 252,091 | 213,186 | 137,437 | 216,228           | 71,823          | 22,108          | 3,201,367 |
| <u>Pole</u>                       |              |         |         |         |           |         |         |         |                   |                 |                 |           |
| Nat. Forest                       | 164,393      | 8,451   | 24,083  | 55,328  | 55,328    | 3,145   | 2,650   | 163     | 108,100           | 152             | 10              | 257,410   |
| Other Pub.                        | 2,511        | 94      | 530     | 1,017   | 1,016     | 29      | 25      | -       | 2,002             | -               | -               | 4,713     |
| Lge. Priv.                        | 19,017       | 771     | 3,568   | 7,731   | 7,730     | 232     | 195     | 29      | 15,893            | 11              | -               | 36,160    |
| Other Priv.                       | 5,263        | 245     | 1,039   | 1,924   | 1,923     | 105     | 88      | -       | 2,865             | 23              | 5               | 8,217     |
| TOTAL                             | 191,184      | 9,561   | 29,220  | 66,000  | 65,997    | 3,511   | 2,958   | 192     | 128,860           | 186             | 15              | 306,500   |
| <u>TOTAL</u>                      |              |         |         |         |           |         |         |         |                   |                 |                 |           |
| Nat. Forest                       | 436,197      | 106,728 | 385,775 | 558,987 | 999,731   | 225,656 | 190,859 | 118,638 | 295,626           | 62,479          | 19,279          | 2,963,758 |
| Other Pub.                        | 9,020        | 2,823   | 7,833   | 13,405  | 28,116    | 3,540   | 2,997   | 4,394   | 5,627             | -               | -               | 68,735    |
| Lge. Priv.                        | 53,020       | 14,098  | 55,682  | 70,058  | 143,830   | 21,433  | 18,105  | 11,337  | 37,091            | 7,780           | 1,835           | 381,249   |
| Other Priv.                       | 14,398       | 2,959   | 14,254  | 18,000  | 36,993    | 4,973   | 4,183   | 3,260   | 6,744             | 1,750           | 1,009           | 94,125    |
| TOTAL                             | 512,635      | 126,608 | 463,544 | 660,450 | 1,208,670 | 255,602 | 216,144 | 137,629 | 345,088           | 72,009          | 22,123          | 3,507,867 |

<sup>1/</sup> Includes small quantities of whitebark pine.

<sup>2/</sup> Includes small quantities of mountain hemlock.

<sup>3/</sup> Includes small quantities of cottonwood.

The balance is split between other public, mostly State, with 69 million board feet and other private with 94 million board feet.

Of the total national-forest live sawtimber volume, 2.7 billion board feet is in sawtimber stands and 257 million board feet in pole stands. Volumes by species, stand-size class, and ownership are displayed in table 4a.

(2) National Forest Volumes by Types - The total volume of national-forest growing stock in the working circle is tabulated in table 4b. Sawtimber volumes are shown by timber types and species in millions of board feet (Scribner Decimal C). The volumes of other products are in millions of cubic feet by timber type only, with no breakdown by species. The sawtimber volumes are in trees with d.b.h.'s 11 inches and over; the volumes in other products are in trees 5 to 11 inches d.b.h.

Douglas-fir accounts for over one-third of the total volume of sawtimber and is found to some degree in all but two of the types listed. The complexity of association of species in all types is, in fact, well illustrated by this table. Only ponderosa pine is somewhat limited in the number of types in which it appears. The four principal species, Douglas-fir, larch, ponderosa pine, and lodgepole pine comprise over 2.2 billion board feet or over 75 percent of the entire sawtimber volume.

Not all of the volume shown as other products is available for cutting. Some 60 to 80 percent of it must be retained as crop trees in immature stands.



TABLE 4b - COMMERCIAL FOREST AREAS AND VOLUMES BY TYPES AND SPECIES  
NATIONAL-FOREST LANDS

| Forest Type | Sawt. and Pole Acres | SAWTIMBER VOLUME BY SPECIES        |         |         |         |         |         |         |         |        |        | Total     | Other Products |
|-------------|----------------------|------------------------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|-----------|----------------|
|             |                      | WP                                 | P       | L       | D       | S       | SAF     | GF      | LPP WBP | MH-H   | C Co   |           |                |
|             |                      | MM Board Feet (Scribner Decimal C) |         |         |         |         |         |         |         |        |        |           | MMCF           |
| WP          | 2,335                | 19,520                             | 27      | 4,999   | 4,075   | 763     | 51      | 5,175   | 2,074   | 1,127  | 1,210  | 39,021    | 1.6            |
| P           | 46,728               | -                                  | 218,229 | 35,519  | 89,110  | -       | -       | -       | 15,088  | -      | -      | 357,946   | 22.6           |
| L           | 86,521               | 15,300                             | 65,514  | 244,466 | 344,470 | 41,519  | 80,597  | 27,725  | 40,382  | 5,048  | 7,551  | 872,572   | 78.8           |
| D           | 141,973              | 53,453                             | 94,199  | 233,377 | 507,502 | 88,147  | 27,229  | 64,717  | 62,718  | 14,382 | 3,554  | 1,149,278 | 117.6          |
| S           | 10,524               | 2,962                              | -       | -       | 492     | 76,090  | 44,687  | 4,139   | 975     | 1,380  | 1,380  | 132,105   | 4.3            |
| SAF         | 5,067                | 172                                | -       | 107     | 212     | 5,586   | 20,988  | 1,417   | 3,801   | 4,251  | -      | 36,534    | 1.0            |
| GF          | 1,707                | 5,394                              | -       | 1,122   | 1,370   | 866     | 252     | 10,223  | 141     | 1,456  | 3,333  | 24,157    | .6             |
| MH          | 7,080                | -                                  | -       | -       | -       | 1,308   | 6,869   | -       | -       | 32,287 | -      | 40,464    | 1.8            |
| C           | 427                  | 341                                | -       | 536     | 357     | 163     | 54      | 3,617   | -       | 556    | 1,391  | 7,015     | .3             |
| LP          | 133,568              | 9,549                              | 7,806   | 38,827  | 52,103  | 11,214  | 10,132  | 1,625   | 170,351 | 1,725  | -      | 303,332   | 122.2          |
| WBP         | 92                   | 37                                 | -       | 34      | 40      | -       | -       | -       | 9       | 267    | -      | 387       | -              |
| Hdw.        | 175                  | -                                  | -       | -       | -       | -       | -       | -       | 87      | -      | 860    | 947       | .1             |
| TOTAL       | 436,197              | 106,728                            | 385,775 | 558,987 | 999,731 | 225,656 | 190,859 | 118,638 | 295,626 | 62,479 | 19,279 | 2,963,758 | 350.9          |
| PERCENT     |                      | 3.6                                | 12.9    | 18.9    | 33.8    | 7.6     | 6.4     | 4.0     | 10.0    | 2.1    | 0.7    | 100.0     |                |

(3) Salvable Volumes - An estimated 735 thousand cords of usable cull and 789 thousand cords of salvable dead material on national-forest lands can be utilized as market conditions permit. (See table 5.) Under present market conditions, this material is usable for little except fuelwood or low value pulpwood. Unless utilization becomes much more intensive than at present, the volume of this material will remain rather constant, deteriorating through mortality at about the same rate as it accumulates.

TABLE 5 - SALVAGE VOLUMES IN CULL AND DEAD TREES  
ON NATIONAL-FOREST LANDS

| Forest<br>Types                               | Com'l Forest<br>Area<br>(Strata 8 & 9) | <u>Usable Volumes of All Species</u> |            |              |
|-----------------------------------------------|----------------------------------------|--------------------------------------|------------|--------------|
|                                               |                                        | Cull                                 | Dead       | Total        |
|                                               |                                        | ----- M Cords -----                  |            |              |
| Ponderosa Pine                                | 46,728                                 | 47                                   | 93         | 140          |
| Larch                                         | 86,521                                 | 260                                  | 173        | 433          |
| Douglas-fir                                   | 141,973                                | 284                                  | 284        | 568          |
| White Pine, Cedar and<br>Grand Fir            | 4,644                                  | 9                                    | 14         | 23           |
| Spruce, Subalpine Fir<br>and Mountain Hemlock | 22,671                                 | 68                                   | 91         | 159          |
| Lodgepole Pine                                | 133,660                                | 67                                   | 134        | 201          |
| <b>TOTAL</b>                                  | <b>436,197</b>                         | <b>735</b>                           | <b>789</b> | <b>1,524</b> |

(4) Timber Quality - The inventory upon which this plan is based included classification of sample trees into four log grades. The grades were developed by the Western Regions in 1938 and used by the Forest Survey in inventory work in this region. Table 6 summarizes these data by species.

This table indicates that the average quality of timber in the Thompson River Working Circle is somewhat lower than it is in adjacent working circles. Percentagewise, ponderosa pine and larch are about equally represented in the better log grades, 1 and 2, and have considerably better quality than the other species listed. All of these estimates of quality are averages for the working circle. Quality in individual stands may be expected to vary considerably from the average.



TABLE 6 - TIMBER QUALITY BY SPECIES AND LOG GRADES

| Species        | LOG GRADES                    |         |         |         |
|----------------|-------------------------------|---------|---------|---------|
|                | Grade 1                       | Grade 2 | Grade 3 | Grade 4 |
|                | ----- Percent by Volume ----- |         |         |         |
| White Pine     | 7                             | 6       | 82      | 5       |
| Ponderosa Pine | 23                            | 18      | 19      | 40      |
| Douglas-fir    | 4                             | 13      | 61      | 22      |
| Larch          | 19                            | 22      | 42      | 17      |
| Grand Fir      | -                             | -       | 89      | 11      |
| Hemlock        | -                             | 9       | 60      | 31      |
| Spruce         | 2                             | 17      | 47      | 34      |
| Subalpine Fir  | -                             | 1       | 57      | 42      |
| Lodgepole Pine | 1                             | 7       | 56      | 36      |
| Whitebark Pine | -                             | 28      | 26      | 46      |
| AVERAGE        | 6                             | 12      | 54      | 28      |

#### 4. MANAGEMENT OBJECTIVES

##### a. Community Support

Thompson Falls and Plains, the major trading, shipping and lumber manufacturing centers, are strongly dependent on forest products. There are eleven sawmills, ranging in capacity from 1 to 100 thousand board feet production per 8-hour shift, located within the boundaries of the working circle. The headrig capacity for lumber manufacturing is greater than the sustained yield capacity. Consequently, continuous and complete utilization of all the timber resources of the working circle can be expected and actually is essential to the growth and development of Thompson Falls, Plains, and the surrounding area. Most of the mills rely on national-forest timber from this and at least one adjacent working circle for continuous operation and will continue to do so. A new mill under construction at Trout Creek, Montana, on the Cabinet Working Circle, will utilize 20,000 M board feet per year--all in small-size logs.

## b. Silvicultural Objectives

- (1) To obtain reproduction soon after removal of timber.
- (2) To produce species best suited to the site.
- (3) Bring existing and potential forest lands to their optimum stocking and production in as short a time as possible.
- (4) Produce trees of good form and quality through timber stand improvement practices.
- (5) Provide adequate protection against damage by insects, diseases, fire, rodents and other animals.
- (6) Work toward even-age management of all types.
- (7) Manage for an equitable distribution of age classes.
- (8) Utilize the full allowable cut of the working circle.
- (9) Coordinate timber use with all other important uses.

## c. Growing Stock Objectives

The growing stock distribution by age classes is far from optimum since most of the commercial forest area supports stands older than rotation age. This condition can be improved as the older age classes are harvested and new stands developed. The following policies to be applied are directed toward improving growing stock condition:

- (1) Cut older stands as rapidly as possible within the limitations of the allowable annual cut.
- (2) Cut approximately equal size of areas year by year or period by period.
- (3) Plant nonstocked areas and understocked seedling and sapling stands.
- (4) Thin and weed young stands which are overstocked.

## 5. COORDINATION WITH OTHER USES

All resources of the working circle will be managed under the principles of multiple use. Multiple-land-use plans will be followed in establishing priority of uses. Guides for correlation with other uses in FSH 2413 will also be followed.

#### a. Water and Soil

The basic soil and water resources are of paramount significance in all plans for use of the land. Watersheds on this working circle will be managed to maintain or improve water productive capacity and runoff. Accepted erosion control practices will be followed, which should protect streams from siltation, pollution, scouring, and preserve a vegetative cover or mantle at all times.

The liability of watershed disturbance during periods of final harvest cuttings is large. This disturbance will be minimized through enforcement of timber sale contract clauses requiring protection of soil and water resources. In general, timber production and use will be coordinated with watershed needs by the following means:

- (1) Carefully control all timber harvesting operations programed on areas with a high erosion potential.
- (2) Control road construction and logging methods to minimize rapid surface runoff, erosion and stream siltation. Locate roads and skid trails outside of streamside zones when possible.
- (3) Plant denuded and poorly stocked national-forest land.
- (4) Use silvicultural systems favoring maximum water storage and uniform runoff whenever possible.
- (5) Pay particular attention to prevention of pollution of surface water used for domestic purposes.
- (6) Control camp and mill locations, as well as woods operations, to avoid stream pollution.
- (7) Cooperate with Public Health and water administration agencies.

Thompson Falls obtains all of its domestic water supply from Ashley Creek. Special precautions will be taken in the management of this watershed to protect water quality and prevent siltation of the reservoir located in this drainage. A separate management and logging plan will be written for this watershed prior to logging.

#### b. Wildlife

Deer and elk winter on this working circle. Summer game range is plentiful and presents no significant problems in game management. On most of the working circle, normal silvicultural practices will enhance wildlife habitat. The practice of clear cutting in even-age management will generally benefit big game by providing a patchwork of openings and edge cover. District wildlife management plans will be referred to for guidance in making management decisions concerning this timber-game habitat relationship. Particular attention will be required to protect



streambanks, cover along streams and bottoms from scouring. All of these would seriously affect fish habitat and fishing. Logging and road construction will be planned with these critical protection problems in mind.

Timber access roads will improve accessibility to large areas for hunters and fishermen. These roads will be an asset to game management through encouragement of proper harvest of the game crop.

c. Recreation

Sites suitable for recreation development in the working circle have been inventoried under the National Forest Recreation Survey. From this inventory, district recreation development and management plans will be prepared and will provide guidance in coordinating recreation and timber use. In the event timber sales are planned within or adjacent to areas of recreational importance, cutting practices, logging methods, and road locations will be modified as necessary to protect the recreational values.

d. Grazing

Grazing in timbered areas within the working circle is almost entirely on transitory range. It will be managed in accordance with range management plans for each block and will be subjected to watershed timber management requirements. No increase in rangeland area is anticipated. Any range improvements accomplished will serve as a means of obtaining better distribution of present stocking or relieving excessive use of presently used ranges.

e. Mining

Surface rights determination has been completed on the known claims within the working circle. Mining activity in this working circle is of minor importance and has had little adverse effect on the commercial forest areas and their management.

f. Experimental Forests

There are no experimental forests in the working circle. None are proposed at this time.

6. REGULATION

a. Rotations

For the present, a rotation of 140 years is recommended for the ponderosa pine, larch, spruce, subalpine fir and mountain hemlock types; 150 years for Douglas-fir; 100 years for 50 percent of the lodgepole pine type which is judged incapable of producing sawtimber; and 120 years for all other types including the remaining one-half of the lodgepole pine type. The above rotations will produce maximum

mean annual increments of final harvest products. The end product for the bulk of the ponderosa pine, spruce, larch and Douglas-fir volume is lumber. For lodgepole pine it will be both lumber and other products on the better sites, and other products alone on the poorer sites.

#### b. Cutting Cycles

Except for a very small acreage planned primarily for uses other than timber production, the timber types in the working circle will generally be brought under even-aged management. Cutting cycles between harvest cuttings will therefore be the same length as the rotation. Intermediate cuttings, designed to stimulate growth, capture mortality and remove products of small size from young stands, generally will recur at 15 to 20 year intervals.

#### c. Growth and Mortality

Measure of growth is important in gauging current levels of production, future potentialities, and in estimating allowable annual cuts. Past growth rates and mortality, as well as growth potentialities are indicated in table 7.

Net periodic growth was high within the past five years (1955-1959) despite an excess of mature and overmature growing stock. This is rather unusual. Normally, mortality is high enough in old growing stock to keep net growth rates low. In this case, old growth losses were relatively low and annual growth rates, as determined from inventory boring data, actually exceeded the allowable annual cut rates recommended in this plan.

Though currently high, there is no assurance that net growth rates will remain so. All overaged growing stock is subject to substantial losses from time to time though such losses did not occur during the past five years.

Mortality was far heavier during the preceding five year period (1949-1954) when much timber was windthrown and much spruce was lost to the spruce bark beetle. Only if mortality can be held in check in the future can growth rates continue at the same level as the past five years.

Growth potentials in the working circle are not high. Table 3b, showing site qualities for the various forest types, indicates that all forest types except lodgepole pine are below the regional average. No great growth response can therefore be expected no matter what is done, although betterment of stocking in young stands can show some over-all gain in volume production, particularly if combined with capturing anticipated mortality. Stocking is excessive in most of the pole acreage, particularly in lodgepole pine.

TABLE 7 - CURRENT AND POTENTIAL GROWTH OF SAWTIMBER AND OTHER PRODUCTS

National-Forest Lands

| Growth and Mortality                            | Sawtimber            |             | Other Products       |             |                              |
|-------------------------------------------------|----------------------|-------------|----------------------|-------------|------------------------------|
|                                                 | Per Acre<br>Per Year | Total       | Per Acre<br>Per Year | Total       |                              |
|                                                 | <u>BF</u>            | <u>MMBF</u> | <u>CF</u>            | <u>MMCF</u> | <u>M cords</u> <sup>4/</sup> |
| <u>Net Periodic Annual Growth</u> <sup>1/</sup> | <u>3/</u> 125        | 54.7        | 18                   | 7.9         | 88.0                         |
| <u>Mean Annual Growth</u>                       | 68                   | 31.6        | -                    | -           | -                            |
| <u>Periodic Annual Mortality</u> <sup>2/</sup>  | 20                   | 8.9         | 6                    | 2.7         | 30.7                         |
| <u>Sustained Yield Capacity</u> <sup>5/</sup>   |                      |             |                      |             |                              |
| Normal (potential)                              | <u>6/</u> 126        | 58.0        | -                    | -           | -                            |
| Realizable (70 percent<br>of normal)            | 88                   | 40.6        | -                    | -           | -                            |

- 1/ From inventory data taken in 1958 and 1959. Growth based on 10 years.  
2/ Based on past 5 years.  
3/ For sawtimber and pole strata only--436,197 acres including lodgepole pine.  
4/ 90 cubic feet = 1 cord.  
5/ From "Tables of Yield and Mean Annual Increment of Fully Stocked Stands in Major Forest Types in Region 1, U.S.F.S., Missoula, Montana, 1957."  
6/ Prorated against total commercial forest acreage of 461,570 acres.

d. Methods of Marking and Cutting

Regional marking guides will be used for all types. See FSH 2442.8 for marking guides now in effect for major forest types. Regional guidelines covering intermediate cuttings, primarily thinnings, have been prepared and should be referred to when available.

Methods called for by the guides will be coordinated with all important land uses and adjusted when necessary to accommodate those uses. They will be supplemented by specific marking instructions for each timber sale area.

e. Allowable Cut

Several regulatory methods were used in arriving at the allowable cut. They were (1) Kemp formula, which basically regulates area, (2) Austrian and (3) Hanzlik formulas, which regulate volume through consideration of both growth and volume of growing stock, and (4) Von Mantel formula, which regulates volume through consideration of growing stock alone. In addition, the most reasonable level of



allowable cut found with these methods was tested against the quantity of growing stock and expected growth in the working circle to see how the growing stock would hold up. This test, called the Tabular Check, (appendix table 14) might be considered a fifth method. It also shows what average rotation probably will result.

TABLE 8a - ANNUAL ALLOWABLE HARVEST CUT OF SAWTIMBER AND OTHER PRODUCTS

National-Forest Lands

| Regulatory Method | All Types and Species |                |         |                           |                |
|-------------------|-----------------------|----------------|---------|---------------------------|----------------|
|                   | Volumes               |                |         | Cutting Areas             |                |
|                   | Sawtimber             | Other Products |         | Sawtimber                 | Other Products |
|                   | MMBF (Scrib.)         | MCF            | M cords | - - - - - acres - - - - - |                |
| Kemp              | 41.6                  | 4,576          | 50.8    | 4,311                     | 5,457          |
| Von Mantel        | 47.1                  | 4,150          | 46.1    | -                         | -              |
| Austrian          | 42.5                  | -              | -       | -                         | -              |
| Hanzlik           | 42.9                  | -              | -       | -                         | -              |
| Tabular Check     | 42                    | -              | -       | 3,600                     | 4,750          |

The various methods showed surprising uniformity in indicated allowable annual cuts (table 8a). The average of all four formula methods was 43.5 million board feet of sawtimber. No individual method except Von Mantel departed from this average by more than 2 million board feet. The Tabular Check method showed that a cut between 40 and 42 million board feet would give better results than outside of this range.

Cutting at an annual rate of 42 million board feet of sawtimber, the average rotation age established will be about 135 years, which is somewhat under what is considered most desirable (average 140 years). A cut of 40 million board feet would more nearly produce the desired 140-year rotation, but in doing so would further delay harvesting the overage growing stock. The Tabular Check analysis showed that harvest cuttings will be in overaged material for virtually all of the first rotation which is an undesirable situation. Cutting needs being as they are, an annual cut of 42 million board feet is deemed most suitable and is recommended for the working circle along with 50 thousand cords of other products. For the annual cut of volume by species, see table 8b.

Area regulation methods show more variation than volume methods. The Kemp method indicates that about 5,400 acres should be cut annually as harvest cuttings; The Tabular Check method, 4,700 acres, and strict

Strict area control is not feasible at this time although in cutting about 4,700 acres annually, the age class objective will not be far off that mark. When the better stocked stands of the future are encountered in cutting, 3,300 acres will be sufficient area, but for the relatively poorly-stocked stands available for cutting today, strict area control will yield too little volume annually. For the annual cut of area by types see table 8b.

TABLE 8b - ANNUAL ALLOWABLE CUT BY BLOCKS AND SPECIES

| Kind of Cutting | Annual Cutting Area<br>By Types |     |       |                              |      |       |       | Sawtimber Volumes<br>By Species Groups |      |             |       |       | Other Prod.   |  |
|-----------------|---------------------------------|-----|-------|------------------------------|------|-------|-------|----------------------------------------|------|-------------|-------|-------|---------------|--|
|                 | P                               | L   | D     | WP-C-GF                      | S-AF | LP    | Total | P-WP                                   | L-D  | LP          | Other | Total |               |  |
|                 |                                 |     |       | <u>acres</u>                 |      |       |       |                                        |      | <u>MMBF</u> |       |       | <u>M cds.</u> |  |
|                 |                                 |     |       | <u>PLAINS BLOCK</u>          |      |       |       |                                        |      |             |       |       |               |  |
| Harvest         | 231                             | 410 | 616   | 28                           | 108  | 307   | 1,700 | 3.9                                    | 11.0 | 1.9         | 3.2   | 20.0  | 24.0          |  |
| Intermediate    | 14                              | 410 | 905   | 24                           | 34   | 713   | 2,100 | .1                                     | 2.0  | .2          | .4    | 2.7   | 5.0           |  |
|                 |                                 |     |       | <u>THOMPSON FALLS BLOCK</u>  |      |       |       |                                        |      |             |       |       |               |  |
| Harvest         | 259                             | 460 | 684   | 32                           | 122  | 343   | 1,900 | 2.9                                    | 11.2 | 2.3         | 5.6   | 22.0  | 26.0          |  |
| Intermediate    | 16                              | 440 | 965   | 26                           | 36   | 767   | 2,250 | .2                                     | 2.1  | .2          | .5    | 3.0   | 6.0           |  |
|                 |                                 |     |       | <u>WORKING CIRCLE TOTALS</u> |      |       |       |                                        |      |             |       |       |               |  |
| Harvest         | 490                             | 870 | 1,300 | 60                           | 230  | 1,750 | 4,700 | 6.8                                    | 22.2 | 4.2         | 8.8   | 42.0  | 50.0          |  |
| Intermediate    | 30                              | 850 | 1,870 | 50                           | 70   | 1,480 | 4,350 | .3                                     | 4.1  | .4          | .9    | 5.7   | 11.0          |  |

Separate allowable cuts have been determined for each type (appendix tables 9-14) and for two portions of the growing stock within each type, i.e. the sawtimber portion (trees 11" d.b.h. and over) and the



pole portion (trees 5"-11" d.b.h.). Volumes of the latter are listed under other products. The allowable cut by species has been determined for sawtimber only (table 8b).

It should be noted from appendix tables 9 and 10 that only one-half of the lodgepole pine type acreage is considered productive of sawtimber. The remainder is too low in site quality, or too densely stocked to produce such products. This, together with the large acreage of lodgepole pine type, has a strong effect on the allowable cut of each product.

Control of cutting will apply to the working circle but since administrative control is by ranger district, a share of the cut is assigned to each district in proportion to the merchantable volume in each (table 8b). Allocation of the cut to blocks may not continue on this basis but is subject to change by the forest supervisor.

Control of the allowable cut of sawtimber will be by major forest types insofar as possible. As such, the cut of one species of high demand will not be exceeded to compensate for a species which probably will be undercut, except for urgent reasons. Compelling reasons may consist of major fires, epidemics, windthrow, or other catastrophies seriously affecting the economy of the working circle. As rapidly as conditions will permit, area regulation should be employed as a control measure.

The regulated volume of other products, indicated in table 8b as 50 M cords, pertains to the removal of material below sawtimber size in harvest cuttings. Removal of this material usually is urgent since it helps to prepare cutting areas for establishment of new stands. Harvest of other products will be a timber sale requirement whenever and wherever utilization has proven feasible on other similar areas.

The aforementioned cuts do not consider volumes that might be harvested as thinnings, improvement cuttings, or other intermediate cuttings. Few such cuttings have been made to date in this working circle; however, there are strong indications that markets for products of small size will soon develop and sales can be made of this class of material in the near future. It is desirable therefore to establish allowable cuts for cuttings in immature stands at this time. Appendix table 15 shows areas of dense young stands in the pole or young sawtimber-size classes that should be treated annually, also volumes that may be removed in such cuttings. Areas to be treated should be stressed rather than volumes to be obtained in such operations.

Under good market conditions the area of annual intermediate cutting is 4,350 acres--about the same as for harvest cuttings. From it an estimated 5.7 million board feet of small sawtimber and 11 thousand cords of other products can be obtained. This volume of small material is in addition to that which should be removed as harvest cuttings. No reduction in the volume of the final cuttings is anticipated as a result of these preliminary cuts. For the present, the calculated allowable cuts in young stands should be considered cutting objectives, rather than maximum allowances. A number of years probably will have to elapse before the full allowable cut can be disposed of readily.

Control of allowable cuts will be by ten-year periods since it is impractical to regulate cuts closely year by year. Control will require that the cut (1) will not exceed 10 percent of the allowable cut for a ten-year period and (2) will not be above 25 percent for any one year. Any accumulated undercuts must be liquidated according to the above provisions, and will not be carried forward to the next plan revision.

An allowable cut of salvage products has not been determined, nor is regulation of these products planned. The perishable nature of this material makes it desirable to harvest it as rapidly as possible. Quantities available are shown in table 5.

In controlling the cut, it is important to charge the volume cut to the right allowable cut category. Volumes secured from a harvest cut cannot be charged against the intermediate cutting allowance, nor can size of timber be ignored. Should any substantial amounts of sound sawtimber volume be harvested as poles, posts, or pulpwood, such volumes must be charged against the sawtimber allowable cut rather than other products. A large volume of larch, lodgepole pine and species commonly harvested as pulpwood is liable to be utilized this way.

The sustained cut from other ownerships within the national forest boundaries is estimated to be about 8 MM board feet of sawtimber and 10 M cords of other products.

#### f. Cutting Budget

The cutting budget for the first five years of the plan is shown on Forms R1-2410-7, "Proposed Cut and Sell Plans" and R1-2410-8, "Timber Access Roads" in the appendix. (Tables 17a, 17b, 18a, and 18b) Annually, each ranger will revise the budget by dropping the year about to close and adding another so there will always be a continuous budget of items for five years ahead.

## 7. SALES POLICY

### a. Size of Sales

The major factors in determining sale sizes are the need to sell sufficient timber to amortize road costs, the desirability of selling natural logging chances as a unit, the silvicultural treatment needed and the requirements of potential purchasers. This will result in sale sizes from moderately large to very small, but the greatest volume will be in sales of 5 to 10 million board feet.

### b. Point of Manufacture

No restriction will be made on the point of manufacture.

### c. Merchantability Specifications

Utilization standards applicable to the working circle are included in Forest Service Handbook 2432.23, R-1 Supplement No. 202.

The long-range policy will be to secure maximum utilization of forest products consistent with market conditions, distance to market, and other economic factors. Cost of production, plus a reasonable profit for an efficient operator, will continue to be the gauge of merchantability. Removal of any product that will not return these costs will not be required unless it is necessary for silvicultural reasons.

Nearly all of the timber removed from the working circle at the present time is in the form of saw logs. The balance has been cut principally for poles and fence posts. The following specifications are for sawtimber and are applicable to the average chance at the present time. These specifications may vary by sale depending on use, location, and silvicultural requirements.

Stumps will be cut to cause the least possible waste and will generally be under 14" maximum in height. The standard trimming allowance will be 6" per 16 foot or shorter log. Utilization of material which is smaller than sawtimber size shall be encouraged. Where stud logs or other products can be utilized from clear-cut operations, no minimum d.b.h. limits will be observed.



#### d. Logging Methods

Methods of logging will be used that are best suited to prevent damage to watersheds, soil, fishing streams, and residual timber growth. Tractor or jammer skidding and truck hauling have been the principal methods of logging in the past and are the methods in use at the present. Their use will be modified as needed to keep within the indicated objectives.

Special clauses will be added to the timber sale contract prior to advertisement when particular logging methods are necessary on highly erodible soils, abnormally steep slopes, young pole stands, municipal watersheds, and recreation areas.

#### e. Christmas Trees

Christmas tree sales will be made in areas where they will benefit the stand. They will be coordinated with timber stand improvement needs and used to improve the composition and spacing of young stands.

#### f. Other Products

As markets develop, other products will be sold to meet the silvicultural and utilization needs. These products will include fence posts, small poles, round pulpwood, lath bolts, and stud logs.

### 8. FOREST DEVELOPMENT

#### a. Transportation

(1) Present System - The working circle is served by the Northern Pacific Railway, which follows the course of the Clark Fork and Flathead Rivers in an east-west direction through the middle of the working circle. Three U.S. highways also furnish primary access to the working circle. U.S. Highway No. 2 runs in an east-west direction north of the working circle boundary; Highway No. 10-A runs through the middle of the working circle, paralleling the railroad; and Highway No. 28 runs in a north-south direction east of the working circle boundary. Branching from this main transportation system, directly or via county roads, are 346 miles of land access forest development roads, 316 miles of which are considered satisfactory for present traffic use. In addition there are 23 miles of land use forest development roads which have been built primarily for log hauling and are considered satisfactory for traffic needs.

(2) Utilization Road Needs - The ultimate mileage of access roads needed to completely develop the working circle is 1,368 miles according to the transportation plan. In addition, 1,276 miles of land-use roads will be needed to provide access for timber utilization to all parts of the working circle. Mileage of existing and needed roads are summarized in table 10.



TABLE 10 - MILEAGE OF EXISTING AND NEEDED ROADS

| Status                 | Plains Block      |              | Thompson Falls Block |              | Working Circle Total |                |
|------------------------|-------------------|--------------|----------------------|--------------|----------------------|----------------|
|                        | LA                | LU           | LA                   | LU           | LA                   | LU             |
|                        | ----- Miles ----- |              |                      |              |                      |                |
| Existing, primitive    | 8.0               | 10.5         | 21.7                 | 4.0          | 29.7                 | 14.5           |
| Existing, satisfactory | 171.2             | 16.0         | 145.3                | 6.5          | 316.5                | 22.5           |
| Nonexistent            | 568.5             | 576.5        | 462.0                | 662.4        | 1,030.5              | 1,238.9        |
| <b>TOTAL</b>           | <b>747.7</b>      | <b>603.0</b> | <b>629.0</b>         | <b>672.9</b> | <b>1,367.7</b>       | <b>1,275.9</b> |

(3) Policy - The policy will be to construct access roads into each compartment to facilitate desirable silvicultural and other management practices and to attain the allowable annual cut. Main truck roads which involve large investments, or which serve more than one compartment, will be constructed by appropriated funds insofar as possible. Other timber access roads will be constructed by timber operators. The transportation plan, with its periodic revisions, will be the guide for designating which roads will be retained for permanent use. All roads will be constructed in accordance with the current instructions in the Forest Service Road Handbook. The wildlife habitat-engineering coordination measures outlined in district wildlife management plans and FSH 2632 will be the guide for coordinating access road construction with fish and wildlife habitat values.

(4) Program - During the next three fiscal years system roads to be constructed to provide access to timber sale areas total 125 miles for the working circle. Of this total, 75 miles will be on the Plains Block and 50 miles on the Thompson Falls Block. In addition, about 5 times this mileage in temporary spur roads will have to be constructed to reach all parts of the sale areas. Details of the individual projects which account for the total mileage are shown for each block in appendix tables 17b and 18b. Most of these roads will require appropriated funds to some degree to supplement purchaser construction. The present estimate of such funds which will be needed is generally not based on existing engineering surveys. As these surveys are made, firmer estimates will be available for each year's sale program.

b. Planting

(1) Needs - The working circle has 18,982 acres of commercial forest lands that are classed as nonstocked. Most of this area must be planted if new timber stands are to be established in a reasonable time.

The nonstocked area mentioned above was determined by aerial photointerpretation and field checking of an extensive nature. There is need for intensive field examinations and planting surveys before a reliable long-term planting program can be formulated.

Hand planting has been the conventional means of reforesting burns and nonstocked cutover areas. However, labor costs have risen so sharply that new and cheaper methods, such as direct seeding by airplane or helicopter, need to be explored. Machine planting will be limited because of steep slopes and rocky soil.

(2) Policy - Regional policy will be followed for both planting surveys and planting. Lengthy periods for reforesting burns and cutover areas should be avoided. A careful analysis will be made of each planting proposal, including consideration of site, cost, area, and species suitability. Planting financed with appropriated funds shall be carefully correlated with planting with K-V funds.

(3) Program - The tentative four-year planting program is shown in appendix tables 20 and 20a. The program indicated therein is coordinated with funds expected to be available in the immediate future. Annual revisions will be necessary to determine priorities and keep the programs current on Form RI-2460-6.

c. Timber Stand Improvement

(1) Needs - No survey or analysis has ever been made on this working circle to determine the amount of work which is economically justified to increase production. Undoubtedly the acreage would be high. Also, most of the area is outside timber sale areas, and the work would require appropriated funds. At the present time virtually every size and age class of timber is producing less than it could because of the lack of more intensive silvicultural practices, mainly timber stand improvement measures. Measures, other than planting, which are needed on a large scale are as follows, and order of priority will depend upon type and condition of stand:

- (a) Thinning pole stands to improve growth.
- (b) Weeding in overdense seedling and sapling stands to improve composition and spacing.
- (c) Liberation, improvement, and salvage cuttings in sawtimber stands to improve stand conditions.
- (d) Rehabilitation work on cutover and unproductive overmature stands for regenerative purposes. This includes scarification, slashing, and prescribed burning.
- (e) Pruning sapling and small pole stands to obtain better quality sawtimber.



(2) Policy - The main timber stand improvement objective will be to improve the species composition, productivity, and quality of the forest products being grown on the commercial timberland consistent with the planned use of such land.

All stand improvement measures will be performed in accordance with prescriptions stated in the Forest Service Manual 2473, 2462, 2411; Forest Service Handbook 2462, 2411; and those in the Planting and Stand Improvement Handbook. This will be supplemented by recommendations in the timber marking guides and other superseding regional policies and special instructions.

On timber sale areas, stand improvement funds will be diverted from stumpage in accordance with the K-V Act to insure proper reestablishment of these stands.

Suitability of site and condition of residual growing stock on cutover areas will receive prime consideration in determining species to be managed on the various areas within the working circle. Care will be taken not to plant species "off site." Douglas-fir and ponderosa pine are better suited to the exposed and better drained sites. Ponderosa pine will be favored over all other species on dry south and southwest exposures. White pine, spruce, cedar, and larch are better suited to the more moist sites, but white pine will be favored only where it is protected from blister rust. Lodgepole pine, whitebark pine, subalpine fir, grand fir, and hemlock generally will not be favored except for want of other species.

Existing plantations, particularly of ponderosa pine should receive treatment to avoid undue competition from undesirable species. Appropriated funds should be requested for release work when such conditions threaten the success of plantations.

(3) Program - The timber stand improvement program is geared to funds available, which at the present are primarily limited to K-V collections. The bulk of this money is scheduled to be used for site preparation, weeding, thinning, and pruning on timber sale areas, as shown in appendix table 21. This table is a summary. Annual maintenance of this plan will be on Form M-1035-R1.

d. Insect Control

(1) Problem - Scattered and sporadic insect activity occurs throughout the working circle with the always present potential of a major outbreak. Conditions favoring insect epidemics vary greatly depending on a number of factors, such as the amount and distribution of annual precipitation, temperature fluctuations, presence of blowdown, logging debris, insect predators, and others. Condition of the timber as to age and vigor also is critical. Much of the timber in the working circle is overmature at present and insect troubles can be expected in this portion at any time.

Mountain Pine Beetle (*Dendroctonus monticolae*) - Extensive losses in lodgepole pine occurred in the period from 1947 to 1952 on the Plains Block. Approximately 38,000 acres were involved in this outbreak. Infestations generally were scattered and confined largely to lodgepole pine poles. This insect is presently endemic in the working circle.

Spruce Bark Beetle (*Dendroctonus engelmannii*) - A spruce bark beetle epidemic swept over most of the western part of Region One, starting in 1949, and lasting until about 1958. High winds in November 1949 blew down thousands of spruce trees, creating an environment favorable to the propagation of the beetles. On this working circle, spruce blew down in small patches of 5 or 10 acres in every major spruce area. The beetles rapidly reached epidemic proportions in these patches, spreading outward until much of the mature and overmature spruce on the working circle had been infested. Fortunately, spruce is not a major species on this working circle.

An estimated 65 million board feet was infested, of which 45 million board feet was subsequently removed by logging. The first logging was in 1951, and by 1959 all of the most accessible spruce had been logged. Several million board feet have been removed for studs and pulp material. Most of the remainder may yet be marketed as pulpwood in conjunction with logging of other species when access roads are constructed.

Douglas-fir Beetle (*Dendroctonus pseudotsugae*) - This insect continues to kill a considerable volume of Douglas-fir each year. It normally attacks small groups of trees scattered over large areas in the Douglas-fir type. Tree killing of this nature often goes undetected for a considerable time. Prompt salvage or cleanup of windthrown trees, trees scorched or killed by fire, and logging slash will remove material from the forest which encourages development of destructive outbreaks.

Western Pine Beetle (*Dendroctonus brevicornis*) - The western pine beetle is present but at a low endemic level. Most infested trees occur singly or in widely scattered groups throughout the old growth ponderosa pine stands.

(2) Policy - Insect losses will be kept to a practical minimum by maintaining a constant alertness for potential problems, insect activities, and buildups, and by taking prompt control and salvage action. Guidelines established by FSM 2411 and FSM and FSH 2483 and 5210 will be followed.

(3) Program

(a) Timber harvest and access road plans will have as one of their main objectives the development of a road system which will permit orderly removal of high-risk stands subject to insect attacks.



(b) Slash disposal and stand improvement work will be conducted so as to keep insect problems at a minimum.

(c) Forest personnel will be trained to recognize potential insect buildups.

(d) Insect reconnaissance will be conducted and conditions of insect activity reported annually.

(e) Current sale programs will be modified as necessary to achieve control of infestations or to salvage insect infested timber.

(f) Timber sale contracts will provide special clauses to cover harvest of high risk or infested trees adjacent to clear-cut areas.

e. Disease Control

(1) Problem

Dwarfmistletoe (Arceuthobium spp.) - This disease is common throughout the working circle on Douglas-fir, larch, and lodgepole pine. The amount of damage from this source is not known, but is expected to be extensive when retarded growth, deformation, mortality, and the reduction of seed production are considered.

The most practical and economical way to combat dwarfmistletoe in commercial-sized stands is through silvicultural practices. Clear cutting and burning will hold the parasite in check in some areas. Clear-cut areas should be as large and compact as practical with prominent topographic or disease-free areas to serve as control boundaries. Where seed tree methods are desirable, great care must be taken to select dwarfmistletoe-free leave trees. In some cases it may be necessary to leave lightly or moderately infected seed trees to provide an adequate seed source, but these should be removed promptly when regeneration has been accomplished.

Root rots (Armillaria mellea and Poria weirii) are killers of several species and age classes. The application of new antibiotics may prove effective in controlling losses, but further testing must be done.

Wood-rotting fungi (Fomes pini, Echinodontium tinctorium, Polyporus schweinitzii, Fomes laricis, and Fomes pinicola) are common in overmature sawtimber. Shorter rotations such as those planned for future timber management, and more rapid removal of defective trees through intensified forest practices will reduce losses from these diseases.

Douglas-fir needle cast (*Rhabdocline pseudotsugae*) is present in epidemic proportions periodically. Mortality is rare, but the loss of revenue and loss of the beneficial effects of thinning and weeding through Christmas tree sales is significant. Needle casts of the genus *Hypodermella* show up occasionally on larch and lodgepole pine, but damage is insignificant.

White pine blister rust (*Cronartium ribicola*) - White pine blister rust exists on the working circle, but the small volume of white pine does not warrant control measures at the present time, except on such areas as recreation sites where basal stem application of acti-dione may be justified. No area is being managed for production of white pine as a primary species.

(2) Policy - The policy will be to exercise a high degree of vigilance for disease occurrence so that dangerous outbreaks are quickly detected. Surveys for existing diseases will be made periodically to determine their extent, intensity, and trends. Every effort will be made to apply the most suitable silvicultural practices to hold each specific disease in check. This includes conversion of old growth stands to younger age classes and adoption of the recommended rotation ages as soon as possible. Where effective control measures are known, and direct control measures appear feasible, funds will be sought immediately. Where no control is feasible, as much as possible of the infected timber will be salvaged.

(3) Program - Sale of diseased timber will be given high priority in the sales program. In some instances, the diseased timber will have to be accompanied by disease-free timber to make the offering attractive for sale. These sales will be included in the five-year cutting budget along with regular sales.

f. Rodent Control

(1) Problem - Porcupines have been causing extensive damage throughout the working circle, particularly in the ponderosa pine types. A large population of other rodents is also present in most areas.

(2) Policy - Work with Research on control programs. Report currently unusual losses attributed to rodents.

(3) Program - Continue program of porcupine eradication in daily work. In areas of heavy losses, make surveys to determine actual extent of damage and probable cost to control. Initiate intensive control projects where feasible.

g. Fire Control

(1) Annual Losses - An analysis of the fire history for the years 1949 through 1959 shows twelve man-caused fires and 158 lightning-caused fires of the total of 170 fires.. The total area burned was 736 acres, an average of 66.8 acres per year. Of this total burned area, 623 acres or an annual average of 56.6 acres was on commercial forest land. The largest man-caused fire during the eleven year period was 600 acres; the largest lightning fire, 5 acres. See appendix table 22 for details of number of fires and acreage burned by causes.

(2) Objectives - The objective in fire control will be to meet regional fire control standards for prevention, presuppression, and suppression established in compliance with FSM 5101.22. This includes staying within the burned area and other "par" limitations. The annual burned area limit is 60 acres.

(3) Program - A fire control plan will be prepared for all active timber sales on the working circle. This plan will be prepared in cooperation with the operator so that both parties will know what their responsibilities are in the fire control job.

Fire control and slash disposal plans will be coordinated, and all State laws relative to either will be adhered to.

The hazard caused by logging slash will currently be reduced to acceptable levels on all cutting areas or protection will be provided in lieu thereof until the hazard abates by natural deterioration.

Adequate detection will be provided through use of a system of lookouts supplemented by use of aerial patrol planes. Degrees of current manning and the intensity and frequency of aerial patrols will be governed by fire weather conditions.

Smokejumpers and aerial delivery of fire retardants will be relied upon for fire control in remote areas to a large extent. The location and development of helicopter landing spots will also be carried on to facilitate use of helicopters for more rapid movement of firefighters and equipment to areas inaccessible by road.

(4) Slash Disposal - The objective in slash disposal will be to reduce the fire hazard to that of a medium-medium fuel type. The method used will depend on the volume of slash, terrain, rapidity of natural abatement, and the results desired. Forms of slash treatment will include hand or bulldozer piling and burning, lopping and scattering, prescribed burning, or in some areas, provision for supplemental protection in lieu of complete disposal.

Snags and fire-dangerous trees on cutting areas, which add significantly to the fire hazard, shall be felled.



Slash disposal plans, which will outline the method and extent of disposal required, will be prepared for each timber sale area. Progress maps will also be kept to show what has been done on each sale area by method used and date of accomplishment. These maps will be retained in compartment folders for future reference in evaluating the effect of various methods of disposal on timber stand regeneration.

(5) Silvicultural Tool - Prescribed burning will be used in this working circle for forest types requiring prompt and adequate regeneration after clear cutting. Fire may also be prescribed in some areas to remove competing brush cover prior to planting old burns.

#### h. Acquisition and Exchange

The long term objective is to consolidate national-forest lands within the working circle. To this end a tentative land adjustment plan has been prepared and is to be submitted to the Regional Forester for approval.

Possibilities exist for land exchanges with the Northern Pacific Railway Company, the Anaconda Company, the State of Montana, and private individuals, which could be of benefit to both public and private owners. Such exchanges with large landowners are particularly desirable in areas where existing checkerboard patterns of ownership seriously interfere with access to and public use of intermingled national-forest lands.

Until access problems are solved in whole or in part by consolidation of ownership, road rights-of-way must be secured on some portion of almost every forest development road planned for future construction. Exchanges will not eliminate access problems entirely but will simplify them in many portions of the working circle. In the meantime, right-of-way acquisition, preceded by precise engineering surveys and design, is a most essential part of timber sale planning, programing, and preparation. Details of a three-year right-of-way action program for the working circle are shown in appendix table 23.

### 9. COOPERATION

#### a. With Other Federal Agencies

Federal agencies active within or immediately adjacent to the working circle and which are affected or have an interest in Forest Service land and timber management policies and practices are the Bureau of Indian Affairs, Bureau of Land Management, and the Soil Conservation Service. Cooperation with these agencies is imperative. Matters of mutual concern are fire control; watershed impacts from logging and road building; soil surveys; road rights-of-way, location, and standards; and trespass.



b. With State Agencies

The State Forester and the Forest Service mutually cooperate in the administration of forestry programs concerned with private lands. In particular, these are the Cooperative Forest Management Act and the forestry practices under the ACP program. Forest Service responsibility in these programs is discharged through the State Forester's Office and his representative on the ground, the Service Forester at Thompson Falls. In addition, close cooperation is maintained between the two agencies in activities controlled by State law such as fire control, slash disposal on private land, and trespass.

The State Fish and Game Department and the Forest Service work closely together in matters concerning game and fish habitat, and in coordination of logging and road construction with game and fish needs.

Cooperation is maintained with the Green Mountain Soil Conservation District. This is soon to be formalized by means of a cooperative agreement. Such cooperation is concerned particularly with the field of watershed management. Other State and County agencies are also consulted and advised on matters of mutual concern.

c. With Private Owners

Management of the timber resource will require cooperation with private owners in access road development and maintenance; disease, insect, and fire control action; and timber harvesting programs. Cooperation with private landowners under Federal-State cooperative forestry programs is conducted through the State Forester's organization as explained above.

d. With Private Organizations

(1) Together with the State Fish and Game Department, the Forest Service will work closely with sportsmen's organizations in the interest of good game management, and to keep them informed of Forest Service programs and activities.

(2) Cooperation will be maintained with the Sanders County Chamber of Commerce, with interested citizens in access road programs, and in creating and sustaining local industry.

(3) Members of other interested organizations, firms and individuals likewise will be kept acquainted with Forest Service policies, plans and practices from time to time.



## E. SUPPORTING DATA

### 1. HISTORY

The first recorded exploration of this section of Montana by white men is that of David Thompson, a fur trader and geographer for the Northwest Fur Company. He entered the country by way of Lake Pend Oreille early in 1809. In November of that year, he established the historic trading post known as the Salish House near the present townsite of Thompson Falls. Salish House is believed to be the first roofed habitation of white men in the territory that later became Montana.

The story of Thompson's exploration of the northwest has fascinated students of history for many years and his exploits are almost legendary. He was the first white man to follow the Columbia River from its source to its mouth. Mapping this territory with sextant and compass, he traveled some 50,000 miles on foot, on horseback, and by canoe. His maps have proven to be very accurate when compared with surveys using modern instruments.

Because of his seemingly magical instruments, Indians regarded him with awe and called him Koo-koo-sint (man who looks at the stars). The town of Thompson Falls, Thompson River, and Koo-koo-sint Ridge were all named in his honor.

For the next 50 years, Salish House was a popular trading place for fur trappers and explorers. They stopped here on their way to the Pacific Coast by way of the old Kootenai Trail which followed the north bank of the Clark Fork River from the mouth of the Flathead River to Idaho. Between 1810 and 1883, when the Northern Pacific Railway was built, this trail was the main artery of travel through the lower Clark Fork Valley. Its identity was then lost and most of the trail was obliterated.

During the period between 1866 and 1872, access into the area was gained through a steamboat route which linked Sandpoint, Idaho, and Thompson Falls, Montana. Passengers leaving Sandpoint traveled up Pend Oreille Lake and the Clark Fork River to Cabinet Gorge. Here they disembarked, walked around the rapids, and boarded another boat and continued up the Clark Fork River to Noxon Rapids where a similar transfer occurred. The third boat continued up the river and unloaded its passengers and cargo on a flat just below what is now the Birdland Bridge--approximately three miles downriver from Thompson Falls.

The portion of the valley in the vicinity of Plains was first settled permanently in the period following the Civil War. As a result, Plains became the oldest and largest white community in the Clark Fork Valley west of Missoula. These first settlements were for the purpose of agriculture on the broad flats and benches of the valley known as the Wild Horse Plains, named after the large herds of wild horses that ranged there.

Construction of the Northern Pacific Railway into and through the area was up the Clark Fork River from west to east. The survey for the route was made in 1875 and 1876 and construction was completed in 1883. Completion



of the railroad provided a link for the region to the settlements to the east and to the west. Thompson Falls and Belknap became competitive jumping-off points for the Coeur d'Alene mining areas where gold was discovered the same year the railroad was completed. Thompson Falls triumphed in the rivalry because its citizens were more aggressive in attracting the immigrants and it became an important supply point for the mining area by way of a route up Prospect Creek. In 1883 it is said that 10,000 people, on their way to the Idaho gold fields, wintered there. Twenty saloons operated in tents and wooden shacks, and the vigilantes worked overtime to maintain order. Numerous small tie mills were established in the 1880's to meet the demand for railroad ties and mine construction timbers. Thompson Falls grew into a sizeable settlement.

By 1890 the Coeur d'Alenes had been reached by a branch line of the Northern Pacific Railway and the demand for timbers and supplies from the Thompson Falls area practically ceased. The timber industry lagged through another ten years. Small mills came and went until about 1902 when the W. B. Russell Company established a large mill at Eddy, Montana. This mill was supplied by logs driven down the Clark Fork River from the vicinity of Plains and Paradise. This mill was in operation until about 1910 when it was moved to Combpet Creek to continue operations.

Other logging operations began in the Thompson Falls and White Pine areas, and the timber industry continued to expand with many small mills on the working circle in the early 1900's. At that time mills were selling rough lumber for a flat price of \$10.00 a thousand regardless of species. Logging was done with horses and wagons or sleds. Mills were powered with steam engines. The first Forest Service sale was in the vicinity of Eddy about 1908. However, most of the logging at this time was on State and private lands.

Some of these operations continued until about 1920 with most of the cutting occurring on the Anaconda Company lands. Contracts were let to independent loggers. Part of the logs were milled locally and the remainder were either driven down the river to the Western Lumber Company mill at Hope, Idaho, or shipped by rail to Bonner, Montana.

Large fires burned on the Thompson Falls District in 1904 and 1908, but in 1910 the great fires struck. Tremendous areas of the Thompson Falls District burned as fires swept into it from Idaho toward the south and west. Large isolated fires burned at the same time on the Plains District but did not become part of the 1910 holocaust. The following account of this disaster as it struck this general area was recorded by Elers Koch when he was supervisor of the Lolo National Forest:

"The Cabinet Forest suffered a tremendous loss from fire in 1910, but the greater part of the damage was done in two days when the fires from the St. Joe and Clearwater swept across the high divide, clear across the Clark Fork Valley and into the Kootenai Forest. There were at least three large fires which came across the divide. The great St. Joe fire, which burned Wallace and DeBorgia, crossed the range and threw a long spur south of Prospect Creek clear to the Clark Fork River. Two fires swept out of the



North Fork of the Coeur d'Alene, one from Trail Creek and one from the extreme head of the river. Both of these fires crossed the Clark Fork Valley, destroying homesteads, towns, and sawmills."

Since 1910, large fires, some of which were reburns of the 1910 burn, have occurred. Additional burned area in 1919 was particularly significant. The majority of the burned area in the working circle lies south of the Clark Fork River.

A very small acreage of the area burned in these large fires was planted. Natural restocking is taking place to varying degrees on the remainder. Some planting was done by the CCC's near the mouth of the Thompson River, but their main efforts were directed toward developing road systems and other facilities for fire control and general administration. In recent years, planting and timber stand improvement work under the K-V Act has been on the increase on timber sale areas.

In the mid 1930's, The Anaconda Company began cutting in Lynch Creek, Henry Creek, and other drainages in the Plains area. These operations have continued on a diminishing scale until the present time. Major logging operations are now continuing on a planned and managed basis on Anaconda Company lands on Thompson River.

During World War II and the period of high stumpage values following the war, harvesting of State owned timber and timber on small private holdings was initiated. During this same period, the Northern Pacific Railway began harvesting its sawtimber stands in the Thompson River basin. When these more accessible lands were logged off, the demand for national forest timber became more pressing. At this time the local mills are dependent for at least 85 percent of their annual production on national forest timber. The increased demand, better transportation systems, and better road building and logging equipment have made great changes in the timber industry of the area. Timber stands formerly considered out of economic reach have become valuable. As new products and methods of production are developed, it is expected that this trend will continue until the full sustained yield capacity of the working circle is utilized.

## 2. PHYSIOGRAPHY

### a. Topography

With the exception of the Clark Fork valley bottom and the upper Thompson River valley, the Thompson River Working Circle is rough and mountainous in character. The river valleys vary from narrow rocky canyons to benchlands several miles in width. The bench lands support the primary agriculture of the area. Most stream bottoms are rocky and narrow near the mouths, but the upper reaches generally widen to shallow basins near the source. Elevations vary from 2,400 feet on the Clark Fork River to 7,400 feet on the higher peaks. Main divides are from 5,000 to 6,000 feet in elevation.

### b. Soils

Soils at the lower elevations along the valley are derived from glacial drift deposited at the bottom of Lake Missoula. This ancient body of water, formed in the Tertiary Period, was very deep and had as its terminus an ice flow emanating from the Bull River drainage near Noxon. Gravel benches are very thick and are characterized by great diversity in soil mantles. North of the Clark Fork River, the valley soils merge with the heavily scoured glacial moraine soils of the headwaters of the Thompson River. Here the soils are a gravelly podsol, suitable primarily for timber production.

Soils within the timber belt at moderate elevations are derived from the "Belt" formation of sedimentary rock that provides the base of the mountainous topography. These soils form a thin mantle overlaying the native rock formation and are coarse, gravelly loams of low fertility. Soils on the working circle are moderately erosive. Erosion control measures must be taken when logging and road construction occurs.

### c. Climate

Annual precipitation varies from a low of 14 inches at Plains to a high of 55 inches per year at the higher elevations along the southwest boundary of the working circle. Temperatures vary widely from a low of -37° F. to a high of 108° F. The Clark Fork River Valley is often snow free ten months of the year, and snow rarely exceeds one foot in depth. The climate along the river is considered moderate and is probably less severe than any other locality in western Montana. Snow depths in the higher mountains are generally five to six feet.

## 3. ECONOMY

### a. Populations of Communities and the County (1960 census):

|                |       |
|----------------|-------|
| Plains         | 769   |
| Paradise       | 280   |
| Thompson Falls | 1,251 |
| Sanders County | 6,817 |

The population of these communities depends primarily on logging and milling, agriculture, and the railroad for its economic livelihood. The Forest Service also contributes a substantial amount to the economies of the area through employment of local residents and business conducted with local merchants.

b. Industries

(1) Lumbering and Logging - There are approximately 11 sawmills operating in the working circle of which 3 are large mills with a total headrig capacity of approximately 84 million board feet per year, based on a two shift day. The present actual cut of the 3 large mills is approximately 68 million board feet. The others are smaller mills with a total production of approximately 4 million board feet per year. A local concern produces house logs in small quantities, and another produces molding.

A new mill at Trout Creek, Montana, on the Cabinet Working Circle, will produce studs and paneling from small logs. At the present time the mill owners plan to obtain most of their log supply from timber stands on farms in the valley. However, the mill capacity is 20 million board feet per year and a portion of the raw material undoubtedly will eventually be secured on national-forest lands in the Thompson River Working Circle. With the development of this mill, logging by farmers on their own land has become an important part of the economy of the area.

(2) Agriculture - Agriculture and stock raising are an important part of the economy of the area. Approximately 25,000 acres are devoted to farming. The products are mostly hay and grains with some vegetables.

Types of stock produced are beef cattle, dairy cattle, hogs, sheep, chickens and turkeys. The beef cattle producers are dependent to large extent upon national-forest land for summer grazing.

(3) Mining - The first mining claim filed in the working circle was in April, 1866. Since that time there have been a number of patented and unpatented claims, but there have never been any large mining operations in the area. Some mines are still worked on a small scale. Minerals mined were mostly gold, silver, and copper.

(4) Tourist Trade - While it is difficult to measure on a dollar and cents basis, the tourist trade is becoming more and more important to the economy of the communities in the working circle. Within the boundaries of the forest there are several attractive lakes and streams which draw many tourists. The reservoirs created by the Noxon Rapids Dam and the Thompson Falls Dam provide excellent fishing and boating. In addition, lands along the shore lines are now being sought after for home sites. Big game hunting for elk and deer also draws many out-of-state hunters.







## F. OPERATION OF PLAN

### 1. ANNUAL PLANS

Annual attention will be needed to keep the plan effective. Access road development will be coordinated with the cutting budget. Planting plans, stand improvement, and sale area betterment plans will also be brought up to date and extended for one year each year.

### 2. CONTROL RECORDS

Control records will consist of the following:

- a. Records of timber sales will include name of purchaser, date, stumpage prices by species, the market supplied, kind of products, and location by compartment and legal description.
- b. Cutting budget records will show the actual cut in volume by species and the cutting areas by type, as compared with budgeted amounts.
- c. Planting record will show dates of establishment, species, age class planted, and survival record.
- d. Planting survey records will show detailed locations, acreage, need of site preparation, and other pertinent information.

### 3. MAP RECORDS

Map records will consist of the following:

- a. Map showing location of compartments
- b. Ownership map
- c. Timber type map
- d. Transportation plan map
- e. Inventory plot locations
- f. Planting areas (next 5 years)
- g. Cutting area (next 5 years) and access roads to reach areas
- h. Major land uses



APPENDIX

THOMPSON RIVER WORKING CIRCLE

TIMBER MANAGEMENT PLAN





## INVENTORY TECHNIQUE AND ACCURACY

Data for the inventory of this plan were based on instructions issued by Region One in 1955 and 1956 and on "Instructions for Forest Inventory" prepared by the Intermountain Forest and Range Experiment Station. In brief the technique involved:

- (1) Aerial photo interpretation of 1958 pictures to define the various type strata. Accomplished in 1959.
- (2) On-the-ground checking of these classifications. Done in 1959.
- (3) Transfer of strata classifications to a 2" = 1 mile planimetric map. Done in 1959 and 1960.
- (4) Area calculations by strata. Accomplished in 1959 and 1960.
- (5) Sampling of each important strata (5000 acres or more) to established standards. Done in 1958 and 1959.
- (6) Compilation of data and testing of statistical accuracy thereof.

## RELIABILITY OF THE DATA

In determining the acreage and volume of the various forest types there are two sources of error:

1. Technique errors, made in measuring, recording and compiling the information. These errors are minimized by adequate training and checking of individuals conducting the field and office work.
2. Sampling errors, made whenever measurements are confined to only a portion of the population and results are applied to the whole. If time and money were not limiting factors, every tree could be measured and the sampling error reduced to zero. But time and money are limiting factors, necessitating sampling only to a portion of the population, instead of the whole, thus causing estimates for the whole to be somewhat in error.

Guidelines have been established for the Region so that the various strata may be sampled in such manner as to keep the error within acceptable limits. This means taking a minimum number of samples for a given degree of variability and standard of accuracy. The Regional objective is to hold the sampling error in terms of volume in a working circle within 10 per cent, two times out of three. The objective has been met on this working circle, in as much as the sampling error for all strata combined is 7 per cent for cubic contents (see accompanying table showing

statistical highlights). This means that the total inventory volume of 1,719,736 M cubic feet on national forest lands may be expected to be within  $\pm 120,382$  M cubic feet of the true volume on the working circle, two times out of three. Similarly, the sawtimber estimate on national forest lands is also about 2,963,758 M board feet  $\pm 207,463$  M board feet, two times out of three.

#### STATISTICAL HIGHLIGHTS

| Strata    | Coefficient<br>of<br>Variation | Sampling Error<br>Percent |
|-----------|--------------------------------|---------------------------|
| P9M       | 47                             | 21                        |
| P9P       | 63                             | 21                        |
| Total P   |                                | 17                        |
| L9W       | 28                             | 13                        |
| L9M       | 41                             | 15                        |
| L9P       | 91                             | 34                        |
| Total L   |                                | 12                        |
| D9W       | 49                             | 22                        |
| D9M       | 46                             | 14                        |
| D9P       | 45                             | 20                        |
| D8W       | 47                             | 28                        |
| Total D   | 11                             | 11                        |
| LP8 & 9W  | 18                             | 18                        |
| LP8M      | 26                             | 33                        |
| Total LP  |                                | 13                        |
| Total All |                                | 7                         |



**TABLE 1 - BLOCK SUMMARY OF LAND AREA BY OWNERSHIP  
AND MAJOR CLASSES OF FOREST LAND  
THOMPSON RIVER WORKING CIRCLE, LOLO NATIONAL FOREST**

| Block          | Class of Land             | Ownership       |              |               |               | Total   |
|----------------|---------------------------|-----------------|--------------|---------------|---------------|---------|
|                |                           | National Forest | Other Public | Large Private | Other Private |         |
|                |                           | Acres           |              |               |               |         |
| Plains         | Commercial Forest Land    | 217,102         | 5,128        | 38,375        | 7,301         | 267,906 |
|                | Noncommercial Forest Land | 8,775           | 77           | 484           | 140           | 9,476   |
|                | Total Forest Land         | 225,877         | 5,205        | 38,859        | 7,441         | 277,382 |
|                | Nonforest Land            | 4,153           | 207          | 150           | 868           | 5,378   |
|                | Total Land Area           | 230,030         | 5,412        | 39,009        | 8,309         | 282,760 |
| Thompson Falls | Commercial Forest Land    | 244,468         | 4,020        | 15,786        | 7,741         | 272,015 |
|                | Noncommercial Forest Land | 14,705          | -            | 206           | 456           | 15,367  |
|                | Total Forest Land         | 259,173         | 4,020        | 15,992        | 8,197         | 287,382 |
|                | Nonforest Land            | 4,681           | 55           | 145           | 645           | 5,526   |
|                | Total Land Area           | 263,854         | 4,075        | 16,137        | 8,842         | 292,908 |

**TABLE 2a - COMMERCIAL FOREST LAND BY OWNERSHIP, TYPE, AND STAND-SIZE CLASS  
THOMPSON RIVER WORKING CIRCLE, LOLO NATIONAL FOREST**

| Type and Ownership Class | Size Classes  |         |                      |             |         |
|--------------------------|---------------|---------|----------------------|-------------|---------|
|                          | Sawtimber     | Pole    | Seedlings & Saplings | Non-stocked | Total   |
|                          | Area in Acres |         |                      |             |         |
| <u>Douglas-fir</u>       |               |         |                      |             |         |
| National Forest          | 108,782       | 33,191  | 216                  | 10,537      | 152,726 |
| Other Public             | 3,607         | 489     | -                    | 55          | 4,151   |
| Large Private            | 11,456        | 1,932   | -                    | 341         | 13,729  |
| Other Private            | 4,731         | 1,641   | -                    | 208         | 6,580   |
| TYPE TOTAL               | 128,576       | 37,253  | 216                  | 11,141      | 177,186 |
| <u>Ponderosa Pine</u>    |               |         |                      |             |         |
| National Forest          | 46,435        | 293     | 35                   | 4,394       | 51,157  |
| Other Public             | 856           | 15      | -                    | 53          | 924     |
| Large Private            | 5,805         | 469     | -                    | 45          | 6,319   |
| Other Private            | 1,524         | 100     | -                    | 239         | 1,863   |
| TYPE TOTAL               | 54,620        | 877     | 35                   | 4,731       | 60,263  |
| <u>Lodgepole Pine</u>    |               |         |                      |             |         |
| National Forest          | 14,331        | 119,237 | 5,824                | 1,922       | 141,314 |
| Other Public             | 91            | 1,866   | -                    | -           | 1,957   |
| Large Private            | 1,451         | 15,343  | 217                  | 538         | 17,549  |
| Other Private            | 78            | 2,845   | 172                  | -           | 3,095   |
| TYPE TOTAL               | 15,951        | 139,291 | 6,213                | 2,460       | 163,915 |

TABLE 2a, continued  
COMMERCIAL FOREST LAND BY OWNERSHIP, TYPE, AND STAND-SIZE CLASS

| Type<br>and<br>Ownership Class | Size Classes |        |                         |                 | Total   |
|--------------------------------|--------------|--------|-------------------------|-----------------|---------|
|                                | Sawtimber    | Pole   | Seedlings<br>& Saplings | Non-<br>stocked |         |
| Area in Acres                  |              |        |                         |                 |         |
| <u>White Pine</u>              |              |        |                         |                 |         |
| National Forest                | 2,310        | 25     | -                       | -               | 2,335   |
| Large Private                  | 597          | -      | -                       | -               | 597     |
| TYPE TOTAL                     | 2,907        | 25     | -                       | -               | 2,932   |
| <u>Grand Fir</u>               |              |        |                         |                 |         |
| National Forest                | 1,652        | 55     | -                       | -               | 1,707   |
| Other Public                   | 41           | -      | -                       | -               | 41      |
| Large Private                  | 65           | -      | -                       | -               | 65      |
| Other Private                  | 130          | -      | -                       | -               | 130     |
| TYPE TOTAL                     | 1,888        | 55     | -                       | -               | 1,943   |
| <u>Spruce</u>                  |              |        |                         |                 |         |
| National Forest                | 10,483       | 41     | -                       | 2,084           | 12,608  |
| Other Public                   | -            | -      | -                       | 20              | 20      |
| Large Private                  | 336          | 42     | -                       | -               | 378     |
| Other Private                  | 85           | -      | -                       | -               | 85      |
| TYPE TOTAL                     | 10,904       | 83     | -                       | 2,104           | 13,091  |
| <u>Subalpine Fir</u>           |              |        |                         |                 |         |
| National Forest                | 4,279        | 788    | 20                      | 45              | 5,132   |
| Other Public                   | -            | -      | -                       | -               | -       |
| Large Private                  | 53           | 16     | -                       | -               | 69      |
| Other Private                  | -            | -      | -                       | -               | -       |
| TYPE TOTAL                     | 4,332        | 804    | 20                      | 45              | 5,201   |
| <u>Larch</u>                   |              |        |                         |                 |         |
| National Forest                | 76,245       | 10,276 | 210                     | -               | 86,731  |
| Other Public                   | 1,914        | 141    | -                       | -               | 2,055   |
| Large Private                  | 13,909       | 1,187  | -                       | -               | 15,096  |
| Other Private                  | 2,469        | 566    | -                       | -               | 3,035   |
| TYPE TOTAL                     | 94,537       | 12,170 | 210                     | -               | 106,917 |
| <u>Mt. Hemlock</u>             |              |        |                         |                 |         |
| National Forest                | 6,603        | 477    | 86                      | -               | 7,166   |
| Other Public                   | -            | -      | -                       | -               | -       |
| Large Private                  | 331          | 28     | -                       | -               | 359     |
| Other Private                  | 15           | 106    | 25                      | -               | 146     |
| TYPE TOTAL                     | 6,949        | 611    | 111                     | -               | 7,671   |
| <u>Cedar</u>                   |              |        |                         |                 |         |
| National Forest                | 427          | -      | -                       | -               | 427     |
| TYPE TOTAL                     | 427          | -      | -                       | -               | 427     |

TABLE 2a, continued  
COMMERCIAL FOREST LAND BY OWNERSHIP, TYPE, AND STAND-SIZE CLASS

| Type<br>and<br>Ownership Class | Size Classes  |         |                         |                 |         |
|--------------------------------|---------------|---------|-------------------------|-----------------|---------|
|                                | Sawtimber     | Pole    | Seedlings<br>& Saplings | Non-<br>stocked | Total   |
|                                | Area in Acres |         |                         |                 |         |
| <u>Whitebark Pine</u>          |               |         |                         |                 |         |
| National Forest                | 92            | -       | -                       | -               | 92      |
| TYPE TOTAL                     | 92            | -       | -                       | -               | 92      |
| <u>Hardwood</u>                |               |         |                         |                 |         |
| National Forest                | 165           | 10      | -                       | -               | 175     |
| Other Private                  | 103           | 5       | -                       | -               | 108     |
| TYPE TOTAL                     | 268           | 15      | -                       | -               | 283     |
| <u>Total All Types</u>         |               |         |                         |                 |         |
| National Forest                | 271,804       | 164,393 | 6,391                   | 18,982          | 461,570 |
| Other Public                   | 6,509         | 2,511   | -                       | 128             | 9,148   |
| Large Private                  | 34,003        | 19,017  | 217                     | 924             | 54,161  |
| Other Private                  | 9,135         | 5,263   | 197                     | 447             | 15,042  |
| TOTAL                          | 321,451       | 191,184 | 6,805                   | 20,481          | 539,921 |



TABLE 2b - COMMERCIAL NATIONAL FOREST LAND BY FOREST TYPES, STAND-SIZE CLASSES, AND STOCKING

| Forest Type | NATIONAL FOREST           |        |        |        |       |       |                      |      |      |        |        |        |        |
|-------------|---------------------------|--------|--------|--------|-------|-------|----------------------|------|------|--------|--------|--------|--------|
|             | Size Classes and Stocking |        |        |        |       |       |                      |      |      |        |        |        |        |
|             | Sawtimber                 |        |        | Pole   |       |       | Seedlings & Saplings |      |      | Total  |        |        | Total  |
|             | Well                      | Med.   | Poor   | Well   | Med.  | Poor  | Well                 | Med. | Poor | Well   | Med.   | Poor   |        |
| P. Pine     | 1184                      | 13117  | 32134  | 114    | 85    | 94    | -                    | 10   | 25   | 1298   | 13212  | 32253  | 46763  |
| Larch       | 21845                     | 32520  | 21880  | 8720   | 1418  | 138   | 115                  | 95   | -    | 30680  | 34033  | 22018  | 86731  |
| Doug. Fir   | 29993                     | 38227  | 40562  | 24462  | 4482  | 4247  | 11                   | 110  | 95   | 54466  | 42819  | 44904  | 142189 |
| Lp. Pine    | 4697                      | 7490   | 2144   | 77943  | 20971 | 20323 | 4313                 | 902  | 609  | 86953  | 29363  | 23076  | 139392 |
| Spruce      | 1481                      | 4122   | 4880   | -      | 25    | 16    | -                    | -    | -    | 1481   | 4147   | 4896   | 10524  |
| Sa. Fir     | 340                       | 950    | 2989   | 80     | 266   | 442   | -                    | 20   | -    | 420    | 1236   | 3431   | 5087   |
| Grand Fir   | 873                       | 612    | 167    | -      | -     | 55    | -                    | -    | -    | 873    | 612    | 222    | 1707   |
| White Pine  | 2044                      | 266    | -      | 25     | -     | -     | -                    | -    | -    | 2069   | 266    | -      | 2335   |
| Wb. Pine    | -                         | -      | 92     | -      | -     | -     | -                    | -    | -    | -      | -      | 92     | 92     |
| Mt. Hemlock | 1168                      | 3135   | 2300   | 100    | 245   | 132   | -                    | 31   | 55   | 1268   | 3411   | 2487   | 7166   |
| Cedar       | 275                       | 117    | 35     | -      | -     | -     | -                    | -    | -    | 275    | 117    | 35     | 427    |
| Hardwood    | 5                         | 160    | -      | 10     | -     | -     | -                    | -    | -    | 15     | 160    | -      | 175    |
| TOTAL       | 63905                     | 100716 | 107183 | 111454 | 27492 | 25447 | 4439                 | 1168 | 784  | 179798 | 129376 | 133414 | 442588 |

TABLE 3a - COMMERCIAL FOREST LAND AREA BY TYPE, STRATA, AND OWNERSHIP

| Type and Strata       | National Forest   | Other Public | Large Private | Other Private | Total   |
|-----------------------|-------------------|--------------|---------------|---------------|---------|
|                       | ----- Acres ----- |              |               |               |         |
| <u>Douglas-fir</u>    |                   |              |               |               |         |
| 9W                    | 29,993            | 944          | 2,566         | 843           | 34,346  |
| 9M                    | 38,227            | 842          | 4,284         | 1,788         | 45,141  |
| 9P                    | 40,562            | 1,821        | 4,606         | 2,100         | 49,089  |
| Total                 | 108,782           | 3,607        | 11,456        | 4,731         | 128,576 |
| 8W                    | 24,462            | 290          | 1,212         | 1,276         | 27,240  |
| 8M                    | 4,482             | 154          | 545           | 219           | 5,400   |
| 8P                    | 4,247             | 45           | 175           | 146           | 4,613   |
| Total                 | 33,191            | 489          | 1,932         | 1,641         | 37,253  |
| 7W                    | 11                | -            | -             | -             | 11      |
| 7M                    | 110               | -            | -             | -             | 110     |
| 7P                    | 95                | -            | -             | -             | 95      |
| Total                 | 216               | -            | -             | -             | 216     |
| Nonstocked            | 10,537            | 55           | 341           | 208           | 11,141  |
| Type Total            | 152,726           | 4,151        | 13,729        | 6,580         | 177,186 |
| <u>Ponderosa Pine</u> |                   |              |               |               |         |
| 9W                    | 1,184             | -            | 244           | -             | 1,428   |
| 9M                    | 13,117            | 205          | 2,263         | 537           | 16,122  |
| 9P                    | 32,134            | 651          | 3,298         | 987           | 37,070  |
| Total                 | 46,435            | 856          | 5,805         | 1,524         | 54,620  |
| 8W                    | 114               | 10           | 175           | -             | 299     |
| 8M                    | 85                | -            | 23            | 15            | 123     |
| 8P                    | 94                | 5            | 271           | 85            | 455     |
| Total                 | 293               | 15           | 469           | 100           | 877     |
| 7W                    | -                 | -            | -             | -             | -       |
| 7M                    | 10                | -            | -             | -             | 10      |
| 7P                    | 25                | -            | -             | -             | 25      |
| Total                 | 35                | -            | -             | -             | 35      |
| Nonstocked            | 4,394             | 53           | 45            | 239           | 4,731   |
| Type Total            | 51,157            | 924          | 6,319         | 1,863         | 60,263  |
| <u>Lodgepole Pine</u> |                   |              |               |               |         |
| 9W                    | 4,697             | -            | 673           | -             | 5,370   |
| 9M                    | 7,490             | 51           | 449           | -             | 7,990   |
| 9P                    | 2,144             | 40           | 329           | 78            | 2,591   |
| Total                 | 14,331            | 91           | 1,451         | 78            | 15,951  |

**TABLE 3a, continued**  
**COMMERCIAL FOREST LAND AREA BY TYPE, STRATA, AND OWNERSHIP**

| Type and Strata       | National Forest | Other Public | Large Private | Other Private | Total   |
|-----------------------|-----------------|--------------|---------------|---------------|---------|
| ----- Acres -----     |                 |              |               |               |         |
| <b>Lodgepole Pine</b> |                 |              |               |               |         |
| <b>(continued)</b>    |                 |              |               |               |         |
| 8W                    | 77,943          | 1,566        | 12,647        | 1,950         | 94,106  |
| 8M                    | 20,971          | 235          | 1,932         | 613           | 23,751  |
| 8P                    | 20,323          | 65           | 764           | 282           | 21,434  |
| Total                 | 119,237         | 1,866        | 15,343        | 2,845         | 139,291 |
| 7W                    | 4,313           | -            | 217           | 157           | 4,687   |
| 7M                    | 902             | -            | -             | 15            | 917     |
| 7P                    | 609             | -            | -             | -             | 609     |
| Total                 | 5,824           | -            | 217           | 172           | 6,213   |
| Nonstocked            | 1,922           | -            | 538           | -             | 2,460   |
| Type Total            | 141,314         | 1,957        | 17,549        | 3,095         | 163,915 |
| <b>Mt. Hemlock</b>    |                 |              |               |               |         |
| 9W                    | 1,168           | -            | -             | -             | 1,168   |
| 9M                    | 3,135           | -            | 316           | -             | 3,451   |
| 9P                    | 2,300           | -            | 15            | 15            | 2,330   |
| Total                 | 6,603           | -            | 331           | 15            | 6,949   |
| 8W                    | 100             | -            | 14            | -             | 114     |
| 8M                    | 245             | -            | 14            | 16            | 275     |
| 8P                    | 132             | -            | -             | 90            | 222     |
| Total                 | 477             | -            | 28            | 106           | 611     |
| 7W                    | -               | -            | -             | 25            | 25      |
| 7M                    | 31              | -            | -             | -             | 31      |
| 7P                    | 55              | -            | -             | -             | 55      |
| Total                 | 86              | -            | -             | 25            | 111     |
| Nonstocked            | -               | -            | -             | -             | -       |
| Type Total            | 7,166           | -            | 359           | 146           | 7,671   |
| <b>Grand Fir</b>      |                 |              |               |               |         |
| 9W                    | 873             | 21           | -             | -             | 894     |
| 9M                    | 612             | 20           | 65            | 100           | 797     |
| 9P                    | 167             | -            | -             | 30            | 197     |
| Total                 | 1,652           | 41           | 65            | 130           | 1,888   |
| 8W                    | -               | -            | -             | -             | -       |
| 8M                    | -               | -            | -             | -             | -       |
| 8P                    | 55              | -            | -             | -             | 55      |
| Total                 | 55              | -            | -             | -             | 55      |

TABLE 3a, continued  
COMMERCIAL FOREST LAND AREA BY TYPE, STRATA, AND OWNERSHIP

| Type and Strata       | National Forest | Other Public | Large Private | Other Private | Total  |
|-----------------------|-----------------|--------------|---------------|---------------|--------|
|                       |                 |              | Acres         |               |        |
| <u>Grand Fir</u>      |                 |              |               |               |        |
| (continued)           |                 |              |               |               |        |
| 7W                    | -               | -            | -             | -             | -      |
| 7M                    | -               | -            | -             | -             | -      |
| 7P                    | -               | -            | -             | -             | -      |
| Total                 | -               | -            | -             | -             | -      |
| Type Total            | 1,707           | 41           | 65            | 130           | 1,943  |
| <u>White Pine</u>     |                 |              |               |               |        |
| 9W                    | 2,044           | -            | 537           | -             | 2,581  |
| 9M                    | 266             | -            | 60            | -             | 326    |
| 9P                    | -               | -            | -             | -             | -      |
| Total                 | 2,310           | -            | 597           | -             | 2,907  |
| 8W                    | 25              | -            | -             | -             | 25     |
| Type Total            | 2,335           | -            | 597           | -             | 2,932  |
| <u>Whitebark Pine</u> |                 |              |               |               |        |
| 9P                    | 92              | -            | -             | -             | 92     |
| <u>Subalpine Fir</u>  |                 |              |               |               |        |
| 9W                    | 340             | -            | -             | -             | 340    |
| 9M                    | 950             | -            | 14            | -             | 964    |
| 9P                    | 2,989           | -            | 39            | -             | 3,028  |
| Total                 | 4,279           | -            | 53            | -             | 4,332  |
| 8W                    | 80              | -            | 16            | -             | 96     |
| 8M                    | 266             | -            | -             | -             | 266    |
| 8P                    | 442             | -            | -             | -             | 442    |
| Total                 | 788             | -            | 16            | -             | 804    |
| 7W                    | -               | -            | -             | -             | -      |
| 7M                    | 20              | -            | -             | -             | 20     |
| 7P                    | -               | -            | -             | -             | -      |
| Total                 | 20              | -            | -             | -             | 20     |
| Nonstocked            | 45              | -            | -             | -             | 45     |
| Type Total            | 5,132           | -            | 69            | -             | 5,201  |
| <u>Spruce</u>         |                 |              |               |               |        |
| 9W                    | 1,481           | -            | 103           | -             | 1,584  |
| 9M                    | 4,122           | -            | 68            | 70            | 4,260  |
| 9P                    | 4,880           | -            | 165           | 15            | 5,060  |
| Total                 | 10,483          | -            | 336           | 85            | 10,904 |



TABLE 3a, continued  
COMMERCIAL FOREST LAND AREA BY TYPE, STRATA, AND OWNERSHIP

| Type and<br>Strata | National<br>Forest | Other<br>Public | Large<br>Private | Other<br>Private | Total  |
|--------------------|--------------------|-----------------|------------------|------------------|--------|
|                    |                    |                 | Acres            |                  |        |
| <u>Spruce</u>      |                    |                 |                  |                  |        |
| (continued)        |                    |                 |                  |                  |        |
| 8W                 | -                  | -               | 42               | -                | 42     |
| 8M                 | 25                 | -               | -                | -                | 25     |
| 8P                 | 16                 | -               | -                | -                | 16     |
| Total              | 41                 | -               | 42               | -                | 83     |
| 7W                 | -                  | -               | -                | -                | -      |
| 7M                 | -                  | -               | -                | -                | -      |
| 7P                 | -                  | -               | -                | -                | -      |
| Total              | -                  | -               | -                | -                | -      |
| Nonstocked         | 2,084              | 20              | -                | -                | 2,104  |
| Type Total         | 12,608             | 20              | 378              | 85               | 13,091 |
| <u>Cedar</u>       |                    |                 |                  |                  |        |
| 9W                 | 275                | -               | -                | -                | 275    |
| 9M                 | 117                | -               | -                | -                | 117    |
| 9P                 | 35                 | -               | -                | -                | 35     |
| Total              | 427                | -               | -                | -                | 427    |
| 8W                 | -                  | -               | -                | -                | -      |
| 8M                 | -                  | -               | -                | -                | -      |
| 8P                 | -                  | -               | -                | -                | -      |
| Total              | -                  | -               | -                | -                | -      |
| 7W                 | -                  | -               | -                | -                | -      |
| 7M                 | -                  | -               | -                | -                | -      |
| 7P                 | -                  | -               | -                | -                | -      |
| Total              | -                  | -               | -                | -                | -      |
| Type Total         | 427                | -               | -                | -                | 427    |
| <u>Larch</u>       |                    |                 |                  |                  |        |
| 9W                 | 21,845             | 657             | 3,149            | 173              | 25,824 |
| 9M                 | 32,520             | 689             | 6,786            | 1,191            | 41,186 |
| 9P                 | 21,880             | 568             | 3,974            | 1,105            | 27,527 |
| Total              | 76,245             | 1,914           | 13,909           | 2,469            | 94,537 |
| 8W                 | 8,720              | 141             | 946              | 553              | 10,360 |
| 8M                 | 1,418              | -               | 122              | 13               | 1,553  |
| 8P                 | 138                | -               | 119              | -                | 257    |
| Total              | 10,276             | 141             | 1,187            | 566              | 12,170 |

**TABLE 3a, continued**  
**COMMERCIAL FOREST LAND AREA BY TYPE, STRATA, AND OWNERSHIP**

| Type and Strata    | National Forest | Other Public | Large Private | Other Private | Total   |
|--------------------|-----------------|--------------|---------------|---------------|---------|
|                    |                 |              | Acres         |               |         |
| <b>Larch</b>       |                 |              |               |               |         |
| <b>(continued)</b> |                 |              |               |               |         |
| 7W                 | 115             | -            | -             | -             | 115     |
| 7M                 | 95              | -            | -             | -             | 95      |
| 7P                 | -               | -            | -             | -             | -       |
| Total              | 210             | -            | -             | -             | 210     |
| Type Total         | 86,731          | 2,055        | 15,096        | 3,035         | 106,917 |
| <b>Hardwood</b>    |                 |              |               |               |         |
| 9W                 | 5               | -            | -             | -             | 5       |
| 9M                 | 160             | -            | -             | 83            | 243     |
| 9P                 | -               | -            | -             | 20            | 20      |
| Total              | 165             | -            | -             | 103           | 268     |
| 8W                 | 10              | -            | -             | 5             | 15      |
| 8M                 | -               | -            | -             | -             | -       |
| 8P                 | -               | -            | -             | -             | -       |
| Total              | 10              | -            | -             | 5             | 15      |
| Type Total         | 175             | -            | -             | 108           | 283     |
| Grand Total        | 461,570         | 9,148        | 54,161        | 15,042        | 539,921 |

**TABLE 3b - COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK**

| Type and Strata           | National Forest | Other Public | Large Private | Other Private | Total  |
|---------------------------|-----------------|--------------|---------------|---------------|--------|
| - PLAINS BLOCK -          |                 |              |               |               |        |
| - - - - - Acres - - - - - |                 |              |               |               |        |
| <u>Douglas-fir</u>        |                 |              |               |               |        |
| 9W                        | 6,932           | 128          | 1,506         | 179           | 8,745  |
| 9M                        | 14,784          | 227          | 2,578         | 315           | 17,904 |
| 9P                        | 15,548          | 1,136        | 2,798         | 793           | 20,275 |
| Total                     | 37,264          | 1,491        | 6,882         | 1,287         | 46,924 |
| 8W                        | 5,535           | 20           | 423           | 65            | 6,043  |
| 8M                        | 761             | 154          | 409           | 35            | 1,359  |
| 8P                        | 436             | 45           | 155           | 65            | 701    |
| Total                     | 6,732           | 219          | 987           | 165           | 8,103  |
| 7W                        | -               | -            | -             | -             | -      |
| 7M                        | 110             | -            | -             | -             | 110    |
| 7P                        | 85              | -            | -             | -             | 85     |
| Total                     | 195             | -            | -             | -             | 195    |
| Nonstocked                | 1,000           | 5            | 37            | 8             | 1,050  |
| TYPE TOTAL                | 45,191          | 1,715        | 7,906         | 1,460         | 56,272 |
| <u>Ponderosa Pine</u>     |                 |              |               |               |        |
| 9W                        | 974             | -            | 244           | -             | 1,218  |
| 9M                        | 10,808          | 145          | 2,056         | 373           | 13,382 |
| 9P                        | 21,586          | 521          | 2,209         | 359           | 24,675 |
| Total                     | 33,368          | 666          | 4,509         | 732           | 39,275 |
| 8W                        | 79              | -            | 175           | -             | 254    |
| 8M                        | 70              | -            | -             | -             | 70     |
| 8P                        | 94              | 5            | 271           | 85            | 455    |
| Total                     | 243             | 5            | 446           | 85            | 779    |
| 7W                        | -               | -            | -             | -             | -      |
| 7M                        | -               | -            | -             | -             | -      |
| 7P                        | 20              | -            | -             | -             | 20     |
| Total                     | 20              | -            | -             | -             | 20     |
| Nonstocked                | 2,981           | 53           | 45            | 125           | 3,204  |
| TYPE TOTAL                | 36,612          | 724          | 5,000         | 942           | 43,278 |
| <u>Grand Fir</u>          |                 |              |               |               |        |
| 9W                        | 30              | -            | -             | -             | 30     |
| 9M                        | 90              | 20           | 65            | -             | 175    |
| 9P                        | 30              | -            | -             | -             | 30     |
| Total                     | 150             | 20           | 65            | -             | 235    |

TABLE 3b, continued  
COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK

| Type and Strata                 | National Forest | Other Public | Large Private | Other Private | Total  |
|---------------------------------|-----------------|--------------|---------------|---------------|--------|
| - PLAINS BLOCK, continued -     |                 |              |               |               |        |
| - - - - - Acres - - - - -       |                 |              |               |               |        |
| <u>Grand Fir</u><br>(continued) |                 |              |               |               |        |
| TYPE TOTAL                      | 150             | 20           | 65            | -             | 235    |
| <u>Lodgepole Pine</u>           |                 |              |               |               |        |
| 9W                              | 1,672           | -            | 358           | -             | 2,030  |
| 9M                              | 3,281           | 51           | 337           | -             | 3,669  |
| 9P                              | 846             | -            | 187           | 73            | 1,106  |
| Total                           | 5,799           | 51           | 882           | 73            | 6,805  |
| 8W                              | 50,001          | 1,321        | 10,709        | 1,488         | 63,519 |
| 8M                              | 9,513           | 150          | 1,771         | 480           | 11,914 |
| 8P                              | 6,565           | 55           | 710           | 219           | 7,549  |
| Total                           | 66,079          | 1,526        | 13,190        | 2,187         | 82,982 |
| 7W                              | 1,248           | -            | 176           | 152           | 1,576  |
| 7M                              | 273             | -            | -             | -             | 273    |
| 7P                              | 214             | -            | -             | -             | 214    |
| Total                           | 1,735           | -            | 176           | 152           | 2,063  |
| Nonstocked                      | 60              | -            | 538           | -             | 598    |
| TYPE TOTAL                      | 73,673          | 1,577        | 14,786        | 2,412         | 92,448 |
| <u>Spruce</u>                   |                 |              |               |               |        |
| 9W                              | 370             | -            | 5             | -             | 375    |
| 9M                              | 821             | -            | 30            | -             | 851    |
| 9P                              | 1,004           | -            | -             | -             | 1,004  |
| Total                           | 2,195           | -            | 35            | -             | 2,230  |
| 8W                              | -               | -            | -             | -             | -      |
| 8M                              | 25              | -            | -             | -             | 25     |
| 8P                              | 16              | -            | -             | -             | 16     |
| Total                           | 41              | -            | -             | -             | 41     |
| Nonstocked                      | 265             | 20           | -             | -             | 285    |
| TYPE TOTAL                      | 2,501           | 20           | 35            | -             | 2,556  |
| <u>Whitebark Pine</u>           |                 |              |               |               |        |
| 9P                              | 92              | -            | -             | -             | 92     |



TABLE 3b. continued  
COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK

| Type and Strata             | National Forest | Other Public | Large Private | Other Private | Total  |
|-----------------------------|-----------------|--------------|---------------|---------------|--------|
| - PLAINS BLOCK, continued - |                 |              |               |               |        |
| - - - - - Acres - - - - -   |                 |              |               |               |        |
| <u>White Pine</u>           |                 |              |               |               |        |
| 8W                          | 25              | -            | -             | -             | 25     |
| <u>Cedar</u>                |                 |              |               |               |        |
| 9P                          | 10              | -            | -             | -             | 10     |
| <u>Larch</u>                |                 |              |               |               |        |
| 9W                          | 13,516          | 339          | 2,196         | 173           | 16,224 |
| 9M                          | 23,390          | 394          | 4,741         | 1,081         | 29,606 |
| 9P                          | 14,870          | 255          | 2,727         | 960           | 18,812 |
| Total                       | 51,776          | 988          | 9,664         | 2,214         | 64,642 |
| 8W                          | 4,029           | 84           | 665           | 243           | 5,021  |
| 8M                          | 741             | -            | 106           | 8             | 855    |
| 8P                          | 98              | -            | 119           | -             | 217    |
| Total                       | 4,868           | 84           | 890           | 251           | 6,093  |
| 7W & 7M                     | -               | -            | -             | -             | -      |
| 7P                          | -               | -            | -             | -             | -      |
| Total                       | -               | -            | -             | -             | -      |
| TYPE TOTAL                  | 56,644          | 1,072        | 10,554        | 2,465         | 70,735 |
| <u>Hardwood</u>             |                 |              |               |               |        |
| 9W                          | 5               | -            | -             | -             | 5      |
| 9M                          | -               | -            | -             | 10            | 10     |
| 9P                          | -               | -            | -             | -             | -      |
| Total                       | 5               | -            | -             | 10            | 15     |
| 8W                          | 10              | -            | -             | 5             | 15     |
| 8M                          | -               | -            | -             | -             | -      |
| 8P                          | -               | -            | -             | -             | -      |
| Total                       | 10              | -            | -             | 5             | 15     |
| TYPE TOTAL                  | 15              | -            | -             | 15            | 30     |
| <u>Mt. Hemlock</u>          |                 |              |               |               |        |
| 9W                          | 115             | -            | -             | -             | 115    |
| 9M                          | 300             | -            | 13            | -             | 313    |
| 9P                          | 481             | -            | -             | 7             | 488    |
| Total                       | 896             | -            | 13            | 7             | 916    |

TABLE 3b, continued  
**COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK**

| Type and Strata                   | National Forest | Other Public | Large Private | Other Private | Total      |
|-----------------------------------|-----------------|--------------|---------------|---------------|------------|
| - PLAINS BLOCK, continued -       |                 |              |               |               |            |
| - - - - - Acres - - - - -         |                 |              |               |               |            |
| <u>Mt. Hemlock</u><br>(continued) |                 |              |               |               |            |
| 8W                                | 15              | -            | -             | -             | 15         |
| 8M                                | -               | -            | -             | -             | -          |
| 8P                                | <u>20</u>       | <u>-</u>     | <u>-</u>      | <u>-</u>      | <u>20</u>  |
| Total                             | 35              | -            | -             | -             | 35         |
| TYPE TOTAL                        | 931             | -            | 13            | 7             | 951        |
| <u>Subalpine Fir</u>              |                 |              |               |               |            |
| 9W                                | 73              | -            | -             | -             | 73         |
| 9M                                | 213             | -            | -             | -             | 213        |
| 9P                                | <u>618</u>      | <u>-</u>     | <u>-</u>      | <u>-</u>      | <u>618</u> |
| Total                             | 904             | -            | -             | -             | 904        |
| 8W                                | 25              | -            | 16            | -             | 41         |
| 8M                                | 99              | -            | -             | -             | 99         |
| 8P                                | <u>230</u>      | <u>-</u>     | <u>-</u>      | <u>-</u>      | <u>230</u> |
| Total                             | 354             | -            | 16            | -             | 370        |
| TYPE TOTAL                        | 1,258           | -            | 16            | -             | 1,274      |
| TOTAL ALL TYPES                   | 217,102         | 5,128        | 38,375        | 7,301         | 267,906    |

TABLE 3c - COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK

| Type and Strata           | National Forest | Other Public | Large Private | Other Private | Total   |
|---------------------------|-----------------|--------------|---------------|---------------|---------|
| - THOMPSON FALLS BLOCK -  |                 |              |               |               |         |
| - - - - - Acres - - - - - |                 |              |               |               |         |
| <u>Douglas-fir</u>        |                 |              |               |               |         |
| 9W                        | 23,061          | 816          | 1,060         | 664           | 25,601  |
| 9M                        | 23,443          | 615          | 1,706         | 1,473         | 27,237  |
| 9P                        | 25,014          | 685          | 1,808         | 1,307         | 28,814  |
| Total                     | 71,518          | 2,116        | 4,574         | 3,444         | 81,652  |
| 8W                        | 18,927          | 270          | 789           | 1,211         | 21,197  |
| 8M                        | 3,721           | -            | 136           | 184           | 4,041   |
| 8P                        | 3,811           | -            | 20            | 81            | 3,912   |
| Total                     | 26,459          | 270          | 945           | 1,476         | 29,150  |
| 7W                        | 11              | -            | -             | -             | 11      |
| 7M                        | -               | -            | -             | -             | -       |
| 7P                        | 10              | -            | -             | -             | 10      |
| Total                     | 21              | -            | -             | -             | 21      |
| Nonstocked                | 9,537           | 50           | 304           | 200           | 10,091  |
| TYPE TOTAL                | 107,535         | 2,436        | 5,823         | 5,120         | 120,914 |
| <u>Ponderosa Pine</u>     |                 |              |               |               |         |
| 9W                        | 210             | -            | -             | -             | 210     |
| 9M                        | 2,309           | 60           | 207           | 164           | 2,740   |
| 9P                        | 10,548          | 130          | 1,089         | 628           | 12,395  |
| Total                     | 13,067          | 190          | 1,296         | 792           | 15,345  |
| 8W                        | 35              | 10           | -             | -             | 45      |
| 8M                        | 15              | -            | 23            | 15            | 53      |
| 8P                        | -               | -            | -             | -             | -       |
| Total                     | 50              | 10           | 23            | 15            | 98      |
| 7W                        | -               | -            | -             | -             | -       |
| 7M                        | 10              | -            | -             | -             | 10      |
| 7P                        | 5               | -            | -             | -             | 5       |
| Total                     | 15              | -            | -             | -             | 15      |
| Nonstocked                | 1,413           | -            | -             | 114           | 1,527   |
| TYPE TOTAL                | 14,545          | 200          | 1,319         | 921           | 16,985  |
| <u>White Pine</u>         |                 |              |               |               |         |
| 9W                        | 2,044           | -            | 537           | -             | 2,581   |
| 9M                        | 266             | -            | 60            | -             | 326     |
| 9P                        | -               | -            | -             | -             | -       |
| Total                     | 2,310           | -            | 597           | -             | 2,907   |

TABLE 3c - continued  
COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK

| Type and Strata                     | National Forest | Other Public | Large Private | Other Private | Total  |
|-------------------------------------|-----------------|--------------|---------------|---------------|--------|
| - THOMPSON FALLS BLOCK, continued - |                 |              |               |               |        |
| - - - - - Acres - - - - -           |                 |              |               |               |        |
| <u>Cedar</u>                        |                 |              |               |               |        |
| 9W                                  | 275             | -            | -             | -             | 275    |
| 9M                                  | 117             | -            | -             | -             | 117    |
| 9P                                  | 25              | -            | -             | -             | 25     |
| Total                               | 417             | -            | -             | -             | 417    |
| <u>Lodgepole Pine</u>               |                 |              |               |               |        |
| 9W                                  | 3,025           | -            | 315           | -             | 3,340  |
| 9M                                  | 4,209           | -            | 112           | -             | 4,321  |
| 9P                                  | 1,298           | 40           | 142           | 5             | 1,485  |
| Total                               | 8,532           | 40           | 569           | 5             | 9,146  |
| 8W                                  | 27,942          | 245          | 1,938         | 462           | 30,587 |
| 8M                                  | 11,458          | 85           | 161           | 133           | 11,837 |
| 8P                                  | 13,758          | 10           | 54            | 63            | 13,885 |
| Total                               | 53,158          | 340          | 2,153         | 658           | 56,309 |
| 7W                                  | 3,065           | -            | 41            | 5             | 3,111  |
| 7M                                  | 629             | -            | -             | 15            | 644    |
| 7P                                  | 395             | -            | -             | -             | 395    |
| Total                               | 4,089           | -            | 41            | 20            | 4,150  |
| Nonstocked                          | 1,862           | -            | -             | -             | 1,862  |
| TYPE TOTAL                          | 67,641          | 380          | 2,763         | 683           | 71,467 |
| <u>Grand Fir</u>                    |                 |              |               |               |        |
| 9W                                  | 843             | 21           | -             | -             | 864    |
| 9M                                  | 522             | -            | -             | 100           | 622    |
| 9P                                  | 137             | -            | -             | 30            | 167    |
| Total                               | 1,502           | 21           | -             | 130           | 1,653  |
| 8W                                  | -               | -            | -             | -             | -      |
| 8M                                  | -               | -            | -             | -             | -      |
| 8P                                  | 55              | -            | -             | -             | 55     |
| Total                               | 55              | -            | -             | -             | 55     |
| 7W                                  | -               | -            | -             | -             | -      |
| 7M                                  | -               | -            | -             | -             | -      |
| 7P                                  | -               | -            | -             | -             | -      |
| Total                               | -               | -            | -             | -             | -      |



TABLE 3c, continued  
COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK

| Type and Strata                     | National Forest | Other Public | Large Private | Other Private | Total  |
|-------------------------------------|-----------------|--------------|---------------|---------------|--------|
| - THOMPSON FALLS BLOCK, continued - |                 |              |               |               |        |
| - - - - - Acres - - - - -           |                 |              |               |               |        |
| <u>Grand Fir</u><br>(continued)     |                 |              |               |               |        |
| TYPE TOTAL                          | 1,557           | 21           | -             | 130           | 1,708  |
| <u>Subalpine Fir</u>                |                 |              |               |               |        |
| 9W                                  | 267             | -            | -             | -             | 267    |
| 9M                                  | 737             | -            | 14            | -             | 751    |
| 9P                                  | 2,371           | -            | 39            | -             | 2,410  |
| Total                               | 3,375           | -            | 53            | -             | 3,428  |
| 8W                                  | 55              | -            | -             | -             | 55     |
| 8M                                  | 167             | -            | -             | -             | 167    |
| 8P                                  | 212             | -            | -             | -             | 212    |
| Total                               | 434             | -            | -             | -             | 434    |
| 7W                                  | -               | -            | -             | -             | -      |
| 7M                                  | 20              | -            | -             | -             | 20     |
| 7P                                  | -               | -            | -             | -             | -      |
| Total                               | 20              | -            | -             | -             | 20     |
| Nonstocked                          | 45              | -            | -             | -             | 45     |
| TYPE TOTAL                          | 3,874           | -            | 53            | -             | 3,927  |
| <u>Spruce</u>                       |                 |              |               |               |        |
| 9W                                  | 1,111           | -            | 98            | -             | 1,209  |
| 9M                                  | 3,301           | -            | 38            | 70            | 3,409  |
| 9P                                  | 3,876           | -            | 165           | 15            | 4,056  |
| Total                               | 8,288           | -            | 301           | 85            | 8,674  |
| 8W                                  | -               | -            | 42            | -             | 42     |
| 8M                                  | -               | -            | -             | -             | -      |
| 8P                                  | -               | -            | -             | -             | -      |
| Total                               | -               | -            | 42            | -             | 42     |
| Nonstocked                          | 1,819           | -            | -             | -             | 1,819  |
| TYPE TOTAL                          | 10,107          | -            | 343           | 85            | 10,535 |

TABLE 3c, continued  
COMMERCIAL FOREST LAND BY TYPE, STRATA, OWNERSHIP AND BLOCK

| Type and Strata                     | National Forest | Other Public | Large Private | Other Private | Total        |
|-------------------------------------|-----------------|--------------|---------------|---------------|--------------|
| - THOMPSON FALLS BLOCK, continued - |                 |              |               |               |              |
| - - - - - Acres - - - - -           |                 |              |               |               |              |
| <u>Larch</u>                        |                 |              |               |               |              |
| 9W                                  | 8,329           | 318          | 953           | -             | 9,600        |
| 9M                                  | 9,130           | 295          | 2,045         | 110           | 11,580       |
| 9P                                  | <u>7,010</u>    | <u>313</u>   | <u>1,247</u>  | <u>145</u>    | <u>8,715</u> |
| Total                               | 24,469          | 926          | 4,245         | 255           | 29,895       |
| 8W                                  | 4,691           | 57           | 281           | 310           | 5,339        |
| 8M                                  | 677             | -            | 16            | 5             | 698          |
| 8P                                  | <u>40</u>       | <u>-</u>     | <u>-</u>      | <u>-</u>      | <u>40</u>    |
| Total                               | 5,408           | 57           | 297           | 315           | 6,077        |
| 7W                                  | 115             | -            | -             | -             | 115          |
| 7M                                  | 95              | -            | -             | -             | 95           |
| 7P                                  | <u>-</u>        | <u>-</u>     | <u>-</u>      | <u>-</u>      | <u>-</u>     |
| Total                               | 210             | -            | -             | -             | 210          |
| TYPE TOTAL                          | 30,087          | 983          | 4,542         | 570           | 36,182       |
| <u>Hardwood</u>                     |                 |              |               |               |              |
| 9M                                  | 160             | -            | -             | 73            | 233          |
| 9P                                  | <u>-</u>        | <u>-</u>     | <u>-</u>      | <u>20</u>     | <u>20</u>    |
| Total                               | 160             | -            | -             | 93            | 253          |
| <u>Mt. Hemlock</u>                  |                 |              |               |               |              |
| 9W                                  | 1,053           | -            | -             | -             | 1,053        |
| 9M                                  | 2,835           | -            | 303           | -             | 3,138        |
| 9P                                  | <u>1,819</u>    | <u>-</u>     | <u>15</u>     | <u>8</u>      | <u>1,842</u> |
| Total                               | 5,707           | -            | 318           | 8             | 6,033        |
| 8W                                  | 85              | -            | 14            | -             | 99           |
| 8M                                  | 245             | -            | 14            | 16            | 275          |
| 8P                                  | <u>112</u>      | <u>-</u>     | <u>-</u>      | <u>90</u>     | <u>202</u>   |
| Total                               | 442             | -            | 28            | 106           | 576          |
| 7W                                  | -               | -            | -             | 25            | 25           |
| 7M                                  | 31              | -            | -             | -             | 31           |
| 7P                                  | <u>55</u>       | <u>-</u>     | <u>-</u>      | <u>-</u>      | <u>55</u>    |
| Total                               | 86              | -            | -             | 25            | 111          |
| TYPE TOTAL                          | 6,235           | -            | 346           | 139           | 6,720        |
| TOTAL ALL TYPES                     | 244,468         | 4,020        | 15,786        | 7,741         | 272,015      |



TABLE 4 - VOLUME PER ACRE BY STRATA

CONVERSION FACTORS NET PARTIAL CUBIC FEET TO BOARD FEET SCRIBNER

| Species                         | Conversion Factor |
|---------------------------------|-------------------|
| White Pine                      | 5.0               |
| Ponderosa Pine                  | 5.0               |
| Larch - Douglas-fir             | 4.9               |
| Spruce - Alpine Fir             | 5.0               |
| Hemlock - Cedar - Grand Fir     | 4.8               |
| Lodgepole Pine - Whitebark Pine | 4.7               |

CULL PER CENT

| Species                         | Cubic-foot | Board-foot |
|---------------------------------|------------|------------|
| White Pine                      | 4          | 8          |
| Ponderosa Pine                  | 4          | 8          |
| Larch - Douglas-fir             | 3          | 6          |
| Spruce - Alpine Fir             | 4          | 4          |
| Hemlock - Cedar - Grand Fir     | 4          | 10         |
| Lodgepole Pine - Whitebark Pine | 6          | 12         |



**TABLE 4a - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL**

| DOUGLAS-FIR |       |         |     |      |      |     |     |    |    |     |     |     |            |
|-------------|-------|---------|-----|------|------|-----|-----|----|----|-----|-----|-----|------------|
| Type        | Stand | Species |     |      |      |     |     |    |    |     |     |     |            |
| Strata      | Size  | WP      | PP  | L    | DF   | S   | AF  | H  | C  | GF  | LP  | WLP | Hdw. Total |
| Cubic Feet  |       |         |     |      |      |     |     |    |    |     |     |     |            |
| D9W         | Sawt. | 140     | 40  | 950  | 990  | 320 | 110 | 40 | 20 | 130 | 230 | -   | 2970       |
|             | Pole  | -       | -   | 140  | 110  | 100 | 130 | -  | 10 | 120 | 460 | -   | 1070       |
|             | Total | 140     | 40  | 1090 | 1100 | 420 | 240 | 40 | 30 | 250 | 690 | -   | 4040       |
| D9M         | Sawt. | -       | 320 | 350  | 1110 | 180 | 60  | 20 | -  | 80  | 80  | -   | 2200       |
|             | Pole  | -       | 30  | 120  | 170  | -   | 10  | -  | -  | 70  | 450 | -   | 850        |
|             | Total | -       | 350 | 470  | 1280 | 180 | 70  | 20 | -  | 150 | 530 | -   | 3050       |
| D9P         | Sawt. | 160     | 100 | 60   | 820  | 20  | -   | 30 | -  | 170 | 60  | -   | 1420       |
|             | Pole  | -       | 80  | -    | 330  | 20  | 50  | -  | 90 | 300 | -   | -   | 870        |
|             | Total | 160     | 180 | 60   | 1150 | 40  | 50  | 30 | 90 | 470 | 60  | -   | 2290       |
| D8W         | Sawt. | -       | -   | 20   | 80   | 20  | -   | -  | -  | -   | -   | -   | 120        |
|             | Pole  | -       | -   | 10   | 360  | 10  | 10  | -  | -  | -   | 90  | -   | 480        |
|             | Total | -       | -   | 30   | 440  | 30  | 10  | -  | -  | -   | 90  | -   | 600        |
| D8M         | Sawt. | -       | -   | 60   | 250  | -   | -   | -  | -  | -   | 100 | -   | 410        |
|             | Pole  | -       | -   | 30   | 600  | -   | -   | -  | -  | -   | 300 | -   | 930        |
|             | Total | -       | -   | 90   | 850  | -   | -   | -  | -  | -   | 400 | -   | 1340       |
| D8P         | Sawt. | -       | -   | -    | 40   | -   | -   | -  | -  | -   | -   | -   | 40         |
|             | Pole  | -       | -   | 10   | 420  | -   | -   | -  | -  | -   | -   | -   | 430        |
|             | Total | -       | -   | 10   | 460  | -   | -   | -  | -  | -   | -   | -   | 470        |

**TABLE 4b - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

| DOUGLAS-FIR           |         |      |      |      |      |     |     |     |     |      |     |      |       |
|-----------------------|---------|------|------|------|------|-----|-----|-----|-----|------|-----|------|-------|
| Type                  | Species |      |      |      |      |     |     |     |     |      |     |      |       |
| Strata                | WP      | PP   | L    | DF   | S    | AF  | H   | C   | GF  | LP   | WLP | Hdw. | Total |
| Board Feet (Scribner) |         |      |      |      |      |     |     |     |     |      |     |      |       |
| D9W                   | 700     | 200  | 4600 | 4800 | 1600 | 500 | 200 | 100 | 600 | 1100 | -   | -    | 14400 |
| D9M                   | -       | 1600 | 1700 | 5400 | 900  | 300 | 100 | -   | 400 | 400  | -   | -    | 10800 |
| D9P                   | 800     | 500  | 300  | 4000 | 100  | -   | 100 | -   | 800 | 300  | -   | -    | 6900  |
| D8W                   | -       | -    | 100  | 400  | 100  | -   | -   | -   | -   | -    | -   | -    | 600   |
| D8M                   | -       | -    | 300  | 1200 | -    | -   | -   | -   | -   | 500  | -   | -    | 2000  |
| D8P                   | -       | -    | -    | 200  | -    | -   | -   | -   | -   | -    | -   | -    | 200   |

**TABLE 4c - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL**

| PONDEROSA PINE |       |         |      |     |     |   |    |   |   |    |     |     |      |       |
|----------------|-------|---------|------|-----|-----|---|----|---|---|----|-----|-----|------|-------|
| Type           | Stand | Species |      |     |     |   |    |   |   |    |     |     |      |       |
| Strata         | Size  | WP      | PP   | L   | DF  | S | AF | H | C | GF | LP  | WLP | Hdw. | Total |
| Cubic Feet     |       |         |      |     |     |   |    |   |   |    |     |     |      |       |
| P9W            | Sawt. | -       | 2800 | 120 | 190 | - | -  | - | - | -  | -   | -   | -    | 3110  |
|                | Pole  | -       | 50   | 20  | 80  | - | -  | - | - | -  | -   | -   | -    | 150   |
|                | Total | -       | 2850 | 140 | 270 | - | -  | - | - | -  | -   | -   | -    | 3260  |
| P9M            | Sawt. | -       | 1500 | 490 | 580 | - | -  | - | - | -  | 190 | -   | -    | 2760  |
|                | Pole  | -       | 70   | -   | 10  | - | 30 | - | - | -  | 350 | -   | -    | 460   |
|                | Total | -       | 1570 | 490 | 590 | - | 30 | - | - | -  | 540 | -   | -    | 3220  |
| P9P            | Sawt. | -       | 640  | 30  | 330 | - | -  | - | - | -  | 20  | -   | -    | 1020  |
|                | Pole  | -       | 40   | 20  | 220 | - | -  | - | - | -  | 220 | -   | -    | 500   |
|                | Total | -       | 680  | 50  | 550 | - | -  | - | - | -  | 240 | -   | -    | 1520  |
| P8W            | Sawt. | -       | 480  | -   | -   | - | -  | - | - | -  | 20  | -   | -    | 500   |
|                | Pole  | -       | 1170 | 60  | 140 | - | -  | - | - | -  | 300 | -   | -    | 1670  |
|                | Total | -       | 1650 | 60  | 140 | - | -  | - | - | -  | 320 | -   | -    | 2170  |
| P8M            | Sawt. | -       | 300  | -   | -   | - | -  | - | - | -  | 110 | -   | -    | 410   |
|                | Pole  | -       | 630  | -   | -   | - | -  | - | - | -  | 300 | -   | -    | 930   |
|                | Total | -       | 930  | -   | -   | - | -  | - | - | -  | 410 | -   | -    | 1340  |
| P8P            | Sawt. | -       | 60   | -   | 20  | - | -  | - | - | -  | -   | -   | -    | 80    |
|                | Pole  | -       | 150  | 20  | 30  | - | -  | - | - | -  | 50  | -   | -    | 250   |
|                | Total | -       | 210  | 20  | 50  | - | -  | - | - | -  | 50  | -   | -    | 330   |

**TABLE 4d - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

| PONDEROSA PINE        |         |       |      |      |   |    |   |   |    |     |     |      |       |       |
|-----------------------|---------|-------|------|------|---|----|---|---|----|-----|-----|------|-------|-------|
| Type                  | Species |       |      |      |   |    |   |   |    |     |     |      |       |       |
| Strata                | WP      | PP    | L    | DF   | S | AF | H | C | GF | LP  | WLP | Hdw. | Total |       |
| Board Feet (Scribner) |         |       |      |      |   |    |   |   |    |     |     |      |       |       |
| P9W                   | -       | 14000 | 600  | 900  | - | -  | - | - | -  | -   | -   | -    | -     | 15500 |
| P9M                   | -       | 7500  | 2400 | 2800 | - | -  | - | - | -  | 900 | -   | -    | -     | 13600 |
| P9P                   | -       | 3200  | 100  | 1600 | - | -  | - | - | -  | 100 | -   | -    | -     | 5000  |
| P8W                   | -       | 2400  | -    | -    | - | -  | - | - | -  | 100 | -   | -    | -     | 2500  |
| P8M                   | -       | 1500  | -    | -    | - | -  | - | - | -  | 500 | -   | -    | -     | 2000  |
| P8P                   | -       | 300   | -    | 100  | - | -  | - | - | -  | -   | -   | -    | -     | 400   |

**TABLE 4e - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL**

| LODGEPOLE PINE |       |         |    |     |     |     |     |    |   |     |      |     |            |
|----------------|-------|---------|----|-----|-----|-----|-----|----|---|-----|------|-----|------------|
| Type           | Stand | Species |    |     |     |     |     |    |   |     |      |     |            |
| Strata         | Size  | WP      | PP | L   | DF  | S   | AF  | H  | C | GF  | LP   | WLP | Hdw. Total |
| Cubic Feet     |       |         |    |     |     |     |     |    |   |     |      |     |            |
| LP9W           | Sawt. | -       | -  | 290 | 210 | 140 | 110 | 60 | - | -   | 700  | -   | 1510       |
|                | Pole  | -       | -  | 20  | -   | 170 | 20  | -  | - | -   | 1010 | -   | 1220       |
|                | Total | -       | -  | 310 | 210 | 310 | 130 | 60 | - | -   | 1710 | -   | 2730       |
| LP9M           | Sawt. | -       | -  | 60  | 190 | 200 | 20  | 20 | - | -   | 1060 | -   | 1460       |
|                | Pole  | -       | -  | -   | -   | 140 | 30  | 10 | - | -   | 920  | -   | 1100       |
|                | Total | -       | -  | 60  | 190 | 340 | 50  | 30 | - | -   | 1980 | -   | 2560       |
| LP9P           | Sawt. | -       | -  | 80  | 120 | 40  | 40  | -  | - | -   | 700  | -   | 980        |
|                | Pole  | 100     | -  | -   | 10  | 10  | -   | 10 | - | -   | 160  | -   | 290        |
|                | Total | 100     | -  | 80  | 130 | 50  | 40  | 10 | - | -   | 860  | -   | 1270       |
| LP8W           | Sawt. | -       | 20 | 80  | 120 | -   | -   | -  | - | -   | 230  | -   | 450        |
|                | Pole  | 10      | -  | 40  | 40  | -   | -   | -  | - | 10  | 990  | -   | 1090       |
|                | Total | 10      | 20 | 120 | 160 | -   | -   | -  | - | 10  | 1220 | -   | 1540       |
| LP8M           | Sawt. | 80      | -  | -   | -   | -   | 20  | -  | - | -   | 120  | -   | 220        |
|                | Pole  | -       | -  | -   | 10  | 10  | 30  | -  | - | 20  | 740  | -   | 810        |
|                | Total | 80      | -  | -   | 10  | 10  | 50  | -  | - | 20  | 860  | -   | 1030       |
| LP8P           | Sawt. | -       | -  | -   | -   | -   | -   | -  | - | 170 | 40   | -   | 40         |
|                | Pole  | -       | 10 | 60  | 90  | -   | -   | -  | - | -   | 120  | -   | 280        |
|                | Total | -       | 10 | 60  | 90  | -   | -   | -  | - | 170 | 160  | -   | 320        |

**TABLE 4f - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

| LODGEPOLE PINE        |         |     |      |      |      |     |     |   |     |      |     |      |       |
|-----------------------|---------|-----|------|------|------|-----|-----|---|-----|------|-----|------|-------|
| Type                  | Species |     |      |      |      |     |     |   |     |      |     |      |       |
| Strata                | WP      | PP  | L    | DF   | S    | AF  | H   | C | GF  | LP   | WLP | Hdw. | Total |
| Board Feet (Scribner) |         |     |      |      |      |     |     |   |     |      |     |      |       |
| LP9W                  | 200     | -   | 1400 | 1000 | 700  | 500 | 300 | - | -   | 3300 | -   | -    | 7400  |
| LP9M                  | -       | -   | -    | -    | 1000 | 700 | -   | - | -   | 5000 | -   | -    | 6700  |
| LP9P                  | 100     | -   | 300  | 500  | 200  | 200 | 100 | - | 800 | 3300 | 200 | -    | 5700  |
| LP8W                  | -       | 100 | 400  | 600  | -    | -   | -   | - | -   | 1100 | -   | -    | 2200  |
| LP8M                  | 400     | -   | -    | -    | -    | 100 | -   | - | -   | 600  | -   | -    | 1100  |
| LP8P                  | -       | -   | -    | -    | -    | -   | -   | - | -   | 200  | -   | -    | 200   |



TABLE 4g - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL

|             |       | LARCH   |     |      |      |     |     |    |    |     |     |     |      |       |
|-------------|-------|---------|-----|------|------|-----|-----|----|----|-----|-----|-----|------|-------|
| Type        | Stand | Species |     |      |      |     |     |    |    |     |     |     |      |       |
| Strata      | Size  | WP      | PP  | L    | DF   | S   | AF  | H  | C  | GF  | LP  | WLP | Hdw. | Total |
| -Cubic Feet |       |         |     |      |      |     |     |    |    |     |     |     |      |       |
| L9W         | Sawt. | 140     | 40  | 880  | 1050 | 140 | 300 | 40 | 40 | 110 | 230 | -   | -    | 2970  |
|             | Pole  | -       | -   | 130  | 120  | 30  | 200 | 40 | -  | 90  | 460 | -   | -    | 1070  |
|             | Total | 140     | 40  | 1010 | 1170 | 170 | 500 | 80 | 40 | 200 | 690 | -   | -    | 4040  |
| L9M         | Sawt. | -       | 320 | 560  | 910  | 80  | 170 | -  | 30 | 80  | 80  | -   | -    | 2230  |
|             | Pole  | -       | 30  | 180  | 110  | -   | 10  | -  | -  | 70  | 450 | -   | -    | 850   |
|             | Total | -       | 350 | 740  | 1020 | 80  | 180 | -  | 30 | 150 | 530 | -   | -    | 3080  |
| L9P         | Sawt. | -       | -   | 490  | 760  | 120 | 230 | -  | -  | 40  | -   | -   | -    | 1640  |
|             | Pole  | 10      | 10  | 60   | 220  | -   | 130 | 10 | -  | 230 | 90  | -   | -    | 760   |
|             | Total | 10      | 10  | 550  | 980  | 120 | 360 | 10 | -  | 270 | 90  | -   | -    | 2400  |
| L8W         | Sawt. | -       | 160 | 190  | 270  | -   | -   | -  | -  | -   | 60  | -   | -    | 680   |
|             | Pole  | -       | -   | 560  | -    | -   | -   | -  | -  | -   | 560 | -   | -    | 1120  |
|             | Total | -       | 160 | 750  | 270  | -   | -   | -  | -  | -   | 620 | -   | -    | 1800  |
| L8M         | Sawt. | -       | -   | 160  | 140  | -   | -   | -  | -  | -   | 110 | -   | -    | 410   |
|             | Pole  | -       | -   | 400  | 230  | -   | -   | -  | -  | -   | 300 | -   | -    | 930   |
|             | Total | -       | -   | 560  | 370  | -   | -   | -  | -  | -   | 410 | -   | -    | 1340  |
| L8P         | Sawt. | -       | -   | 20   | 20   | -   | -   | -  | -  | -   | -   | -   | -    | 40    |
|             | Pole  | -       | -   | 300  | 130  | -   | -   | -  | -  | -   | -   | -   | -    | 430   |
|             | Total | -       | -   | 320  | 150  | -   | -   | -  | -  | -   | -   | -   | -    | 470   |

TABLE 4h - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)

|                        |       | LARCH   |      |      |     |      |     |     |     |      |    |     |      |       |
|------------------------|-------|---------|------|------|-----|------|-----|-----|-----|------|----|-----|------|-------|
| Type                   | Stand | Species |      |      |     |      |     |     |     |      |    |     |      |       |
| Strata                 | Size  | WP      | PP   | L    | DF  | S    | AF  | H   | C   | GF   | LP | WLP | Hdw. | Total |
| -Board Feet (Scribner) |       |         |      |      |     |      |     |     |     |      |    |     |      |       |
| L9W                    | 700   | 200     | 4300 | 5100 | 700 | 1400 | 200 | 200 | 500 | 1100 | -  | -   | -    | 14400 |
| L9M                    | -     | 1600    | 2700 | 4400 | 400 | 800  | -   | 100 | 400 | 400  | -  | -   | -    | 10800 |
| L9P                    | -     | -       | 2400 | 3700 | 600 | 1100 | -   | -   | 200 | -    | -  | -   | -    | 8000  |
| L8W                    | -     | 800     | 900  | 1300 | -   | -    | -   | -   | -   | 300  | -  | -   | -    | 3300  |
| L8M                    | -     | -       | 800  | 700  | -   | -    | -   | -   | -   | 500  | -  | -   | -    | 2000  |
| L8P                    | -     | -       | 100  | 100  | -   | -    | -   | -   | -   | -    | -  | -   | -    | 200   |



TABLE 4i - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL

| GRAND FIR  |       |     |    |     |     |     |         |     |     |      |    |     |      |       |
|------------|-------|-----|----|-----|-----|-----|---------|-----|-----|------|----|-----|------|-------|
| Type       | Stand |     |    |     |     |     | Species |     |     |      |    |     |      |       |
| Strata     | Size  | WP  | PP | L   | DF  | S   | AF      | H   | C   | GF   | LP | WLP | Hdw. | Total |
| Cubic Feet |       |     |    |     |     |     |         |     |     |      |    |     |      |       |
| GF9W       | Sawt. | 800 | -  | 210 | 210 | 160 | 40      | 210 | 630 | 1480 | -  | -   | -    | 3740  |
|            | Pole  | 40  | -  | -   | -   | -   | -       | -   | 50  | 350  | -  | -   | -    | 440   |
|            | Total | 840 | -  | 210 | 210 | 160 | 40      | 210 | 680 | 1830 | -  | -   | -    | 4180  |
| GF9M       | Sawt. | 600 | -  | 80  | 120 | 60  | 20      | 210 | 210 | 1270 | 40 | -   | -    | 2610  |
|            | Pole  | 30  | -  | -   | -   | -   | -       | -   | 30  | 170  | -  | -   | -    | 230   |
|            | Total | 630 | -  | 80  | 120 | 60  | 20      | 210 | 240 | 1440 | 40 | -   | -    | 2840  |
| GF9P       | Sawt. | 80  | -  | 10  | 100 | -   | -       | 80  | 110 | 420  | 20 | -   | -    | 820   |
|            | Pole  | 60  | -  | 50  | 50  | -   | -       | -   | 20  | 110  | -  | -   | -    | 290   |
|            | Total | 140 | -  | 60  | 150 | -   | -       | 80  | 130 | 530  | 20 | -   | -    | 1110  |
| GF8P       | Sawt. | -   | -  | -   | -   | -   | -       | -   | -   | 110  | -  | -   | -    | 110   |
|            | Pole  | -   | -  | 20  | 40  | 50  | 50      | -   | 20  | 530  | 50 | -   | -    | 760   |
|            | Total | -   | -  | 20  | 40  | 50  | 50      | -   | 20  | 640  | 50 | -   | -    | 870   |

TABLE 4j - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)

| GRAND FIR             |         |    |      |      |     |     |      |      |      |     |     |      |       |  |
|-----------------------|---------|----|------|------|-----|-----|------|------|------|-----|-----|------|-------|--|
| Type                  | Species |    |      |      |     |     |      |      |      |     |     |      |       |  |
| Strata                | WP      | PP | L    | DF   | S   | AF  | H    | C    | GF   | LP  | WLP | Hdw. | Total |  |
| Board Feet (Scribner) |         |    |      |      |     |     |      |      |      |     |     |      |       |  |
| GF9W                  | 4000    | -  | 1000 | 1000 | 800 | 200 | 1000 | 3000 | 7000 | -   | -   | -    | 18000 |  |
| GF9M                  | 3000    | -  | 400  | 600  | 300 | 100 | 1000 | 1000 | 6000 | 200 | -   | -    | 12600 |  |
| GF9P                  | 400     | -  | 300  | 500  | -   | -   | 400  | 500  | 2000 | 100 | -   | -    | 4200  |  |
| GF8P                  | -       | -  | -    | -    | -   | -   | -    | -    | 500  | -   | -   | -    | 500   |  |

TABLE 4j - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL

| SPRUCE     |       |         |    |    |    |      |      |     |     |      |     |     |      |       |
|------------|-------|---------|----|----|----|------|------|-----|-----|------|-----|-----|------|-------|
| Type       | Stand | Species |    |    |    |      |      |     |     |      |     |     |      |       |
| Strata     | Size  | WP      | PP | L  | DF | S    | AF   | H   | C   | GF   | LP  | WLP | Hdw. | Total |
| Cubic Feet |       |         |    |    |    |      |      |     |     |      |     |     |      |       |
| S9W        | Sawt. | 400     | -  | -  | -  | 2600 | 1060 | 110 | 210 | 530  | -   | -   | -    | 4910  |
|            | Pole  | 10      | -  | -  | -  | 40   | 60   | -   | 20  | 880  | -   | -   | -    | 1010  |
|            | Total | 410     | -  | -  | -  | 2640 | 1120 | 110 | 230 | 1410 | -   | -   | -    | 5920  |
| S9M        | Sawt. | -       | -  | -  | -  | 1600 | 1210 | -   | -   | -    | -   | -   | -    | 2810  |
|            | Pole  | -       | -  | -  | -  | -    | 310  | -   | -   | -    | -   | -   | -    | 310   |
|            | Total | -       | -  | -  | -  | 1600 | 1520 | -   | -   | -    | -   | -   | -    | 3120  |
| S9P        | Sawt. | -       | -  | -  | 20 | 1000 | 570  | 20  | -   | 30   | 40  | -   | -    | 1680  |
|            | Pole  | -       | -  | -  | -  | 100  | 200  | -   | -   | -    | -   | -   | -    | 300   |
|            | Total | -       | -  | -  | 20 | 1100 | 770  | 20  | -   | 30   | 40  | -   | -    | 1980  |
| S8W        | Sawt. | -       | -  | 40 | 40 | 200  | 60   | 20  | -   | 130  | 40  | -   | -    | 530   |
|            | Pole  | -       | -  | -  | -  | 500  | 270  | -   | -   | 130  | 170 | -   | -    | 1070  |
|            | Total | -       | -  | 40 | 40 | 700  | 330  | 20  | -   | 260  | 210 | -   | -    | 1600  |
| S8M        | Sawt. | -       | -  | -  | -  | 320  | 80   | -   | -   | -    | -   | -   | -    | 400   |
|            | Pole  | -       | -  | -  | -  | 300  | 100  | -   | -   | -    | -   | -   | -    | 400   |
|            | Total | -       | -  | -  | -  | 620  | 180  | -   | -   | -    | -   | -   | -    | 800   |
| S8P        | Sawt. | -       | -  | -  | -  | 160  | 40   | -   | -   | -    | -   | -   | -    | 200   |
|            | Pole  | -       | -  | -  | -  | 200  | 100  | -   | -   | -    | -   | -   | -    | 300   |
|            | Total | -       | -  | -  | -  | 360  | 140  | -   | -   | -    | -   | -   | -    | 500   |

TABLE 4k - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)

| SPRUCE                |         |    |     |     |       |      |     |      |      |     |     |      |       |  |
|-----------------------|---------|----|-----|-----|-------|------|-----|------|------|-----|-----|------|-------|--|
| Type                  | Species |    |     |     |       |      |     |      |      |     |     |      |       |  |
| Strata                | WP      | PP | L   | DF  | S     | AF   | H   | C    | GF   | LP  | WLP | Hdw. | Total |  |
| Board Feet (Scribner) |         |    |     |     |       |      |     |      |      |     |     |      |       |  |
| S9W                   | 2000    | -  | -   | -   | 13000 | 5000 | 500 | 1000 | 2500 | -   | -   | -    | 24000 |  |
| S9M                   | -       | -  | -   | -   | 8000  | 5700 | -   | -    | -    | -   | -   | -    | 13700 |  |
| S9P                   | -       | -  | -   | 100 | 5000  | 2700 | 100 | -    | 100  | 200 | -   | -    | 8200  |  |
| S8W                   | -       | -  | 200 | 200 | 1000  | 300  | 100 | -    | 600  | 200 | -   | -    | 2600  |  |
| S8M                   | -       | -  | -   | -   | 1600  | 400  | -   | -    | -    | -   | -   | -    | 2000  |  |
| S8P                   | -       | -  | -   | -   | 800   | 200  | -   | -    | -    | -   | -   | -    | 1000  |  |

**TABLE 41 - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL**

| ALPINE FIR |       |         |    |    |     |     |      |     |   |     |     |     |            |
|------------|-------|---------|----|----|-----|-----|------|-----|---|-----|-----|-----|------------|
| Type       | Stand | Species |    |    |     |     |      |     |   |     |     |     |            |
| Strata     | Size  | WP      | PP | L  | DF  | S   | AF   | H   | C | GF  | LP  | WLP | Hdw. Total |
| Cubic Feet |       |         |    |    |     |     |      |     |   |     |     |     |            |
| AF9W       | Sawt. | 100     | -  | -  | -   | 600 | 1480 | 420 | - | 110 | -   | 40  | 2750       |
|            | Pole  | -       | -  | -  | -   | 10  | 390  | 100 | - | 100 | 30  | -   | 630        |
|            | Total | 100     | -  | -  | -   | 610 | 1870 | 520 | - | 210 | 30  | 40  | 3380       |
| AF9M       | Sawt. | -       | -  | -  | -   | 400 | 1290 | -   | - | -   | 40  | 780 | 2510       |
|            | Pole  | -       | -  | -  | -   | -   | 90   | 70  | - | 70  | -   | -   | 230        |
|            | Total | -       | -  | -  | -   | 400 | 1380 | 70  | - | 70  | 40  | 780 | 2740       |
| AF9P       | Sawt. | -       | -  | -  | -   | 200 | 800  | 250 | - | 80  | -   | -   | 1330       |
|            | Pole  | -       | -  | -  | -   | 10  | 30   | -   | - | -   | -   | -   | 40         |
|            | Total | -       | -  | -  | -   | 210 | 830  | 250 | - | 80  | -   | -   | 1370       |
| AF8W       | Sawt. | -       | -  | -  | -   | 40  | 170  | 60  | - | 30  | -   | -   | 300        |
|            | Pole  | -       | -  | -  | -   | 50  | 550  | 40  | - | 40  | 20  | -   | 700        |
|            | Total | -       | -  | -  | -   | 90  | 720  | 100 | - | 70  | 20  | -   | 1000       |
| AF8M       | Sawt. | -       | -  | 80 | 165 | 100 | 550  | -   | - | -   | -   | -   | 895        |
|            | Pole  | -       | -  | -  | -   | 30  | 470  | -   | - | -   | 50  | -   | 550        |
|            | Total | -       | -  | 80 | 165 | 130 | 1020 | -   | - | -   | 50  | -   | 1445       |
| AF8P       | Sawt. | -       | -  | -  | -   | 20  | 80   | -   | - | -   | -   | -   | 100        |
|            | Pole  | -       | -  | -  | -   | 30  | 350  | -   | - | -   | 150 | -   | 530        |
|            | Total | -       | -  | -  | -   | 50  | 430  | -   | - | -   | 150 | -   | 630        |

**TABLE 4m - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

| ALPINE FIR            |         |    |     |     |      |      |      |   |     |     |      |      |       |
|-----------------------|---------|----|-----|-----|------|------|------|---|-----|-----|------|------|-------|
| Type                  | Species |    |     |     |      |      |      |   |     |     |      |      |       |
| Strata                | WP      | PP | L   | DF  | S    | AF   | H    | C | GF  | LP  | WLP  | Hdw. | Total |
| Board Feet (Scribner) |         |    |     |     |      |      |      |   |     |     |      |      |       |
| AF9W                  | 500     | -  | -   | -   | 3000 | 7000 | 2000 | - | 500 | 200 | 200  | -    | 13400 |
| AF9M                  | -       | -  | -   | -   | 2000 | 6100 | -    | - | -   | -   | 3800 | -    | 11900 |
| AF9P                  | -       | -  | -   | -   | 1000 | 3800 | 1200 | - | 400 | -   | -    | -    | 6400  |
| AF8W                  | -       | -  | -   | -   | 200  | 800  | 300  | - | 100 | -   | 100  | -    | 1500  |
| AF8M                  | -       | -  | 400 | 800 | 500  | 2600 | -    | - | -   | -   | -    | -    | 4300  |
| AF8P                  | -       | -  | -   | -   | 100  | 400  | -    | - | -   | -   | 100  | -    | 600   |



TABLE 4n - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL

| MOUNTAIN HEMLOCK |       |         |    |   |    |     |     |      |   |    |    |     |            |
|------------------|-------|---------|----|---|----|-----|-----|------|---|----|----|-----|------------|
| Type             | Stand | Species |    |   |    |     |     |      |   |    |    |     |            |
| Strata           | Size  | WP      | PP | L | DF | S   | AF  | H    | C | GF | LP | WLP | Hdw. Total |
| Cubic Feet       |       |         |    |   |    |     |     |      |   |    |    |     |            |
| MH9W             | Sawt. | -       | -  | - | -  | 80  | 420 | 1770 | - | -  | -  | -   | 2270       |
|                  | Pole  | -       | -  | - | -  | 30  | 170 | 200  | - | -  | -  | -   | 400        |
|                  | Total | -       | -  | - | -  | 110 | 590 | 1970 | - | -  | -  | -   | 2670       |
| MH9M             | Sawt. | -       | -  | - | -  | 40  | 210 | 1220 | - | -  | -  | -   | 1470       |
|                  | Pole  | -       | -  | - | -  | -   | 100 | 100  | - | -  | -  | -   | 200        |
|                  | Total | -       | -  | - | -  | 40  | 310 | 1320 | - | -  | -  | -   | 1670       |
| MH9P             | Sawt. | -       | -  | - | -  | 20  | 130 | 380  | - | -  | -  | -   | 530        |
|                  | Pole  | -       | -  | - | -  | 10  | 70  | 100  | - | -  | -  | -   | 180        |
|                  | Total | -       | -  | - | -  | 30  | 200 | 480  | - | -  | -  | -   | 710        |
| MH8W             | Sawt. | -       | -  | - | -  | -   | -   | 110  | - | -  | -  | 50  | 110        |
|                  | Pole  | -       | -  | - | -  | 10  | 140 | 700  | - | -  | -  | -   | 900        |
|                  | Total | -       | -  | - | -  | 10  | 140 | 810  | - | -  | -  | 50  | 1010       |
| MH8M             | Sawt. | -       | -  | - | -  | -   | -   | 60   | - | -  | -  | 30  | 60         |
|                  | Pole  | -       | -  | - | -  | 10  | 90  | 400  | - | -  | -  | -   | 530        |
|                  | Total | -       | -  | - | -  | 10  | 90  | 460  | - | -  | -  | 30  | 590        |
| MH8P             | Sawt. | -       | -  | - | -  | -   | -   | 40   | - | -  | -  | 20  | 40         |
|                  | Pole  | -       | -  | - | -  | -   | 50  | 200  | - | -  | -  | -   | 270        |
|                  | Total | -       | -  | - | -  | -   | 50  | 240  | - | -  | -  | 20  | 310        |

TABLE 4o - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)

| MOUNTAIN HEMLOCK      |         |    |   |    |     |      |      |   |    |    |     |      |       |
|-----------------------|---------|----|---|----|-----|------|------|---|----|----|-----|------|-------|
| Type                  | Species |    |   |    |     |      |      |   |    |    |     |      |       |
| Strata                | WP      | PP | L | DF | S   | AF   | H    | C | GF | LP | WLP | Hdw. | Total |
| Board Feet (Scribner) |         |    |   |    |     |      |      |   |    |    |     |      |       |
| MH9W                  | -       | -  | - | -  | 400 | 2000 | 8400 | - | -  | -  | -   | -    | 10800 |
| MH9M                  | -       | -  | - | -  | 200 | 1000 | 5800 | - | -  | -  | -   | -    | 7000  |
| MH9P                  | -       | -  | - | -  | 100 | 600  | 1800 | - | -  | -  | -   | -    | 2500  |
| MH8W                  | -       | -  | - | -  | -   | -    | 500  | - | -  | -  | -   | -    | 500   |
| MH8M                  | -       | -  | - | -  | -   | -    | 300  | - | -  | -  | -   | -    | 300   |
| MH8P                  | -       | -  | - | -  | -   | -    | 200  | - | -  | -  | -   | -    | 200   |



**TABLE 4p - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL**

| WHITE PINE |       |         |    |     |     |     |    |     |     |      |     |     |      |       |
|------------|-------|---------|----|-----|-----|-----|----|-----|-----|------|-----|-----|------|-------|
| Type       | Stand | Species |    |     |     |     |    |     |     |      |     |     |      |       |
| Strata     | Size  | WP      | PP | L   | DF  | S   | AF | H   | C   | GF   | LP  | WLP | Hdw. | Total |
| Cubic Feet |       |         |    |     |     |     |    |     |     |      |     |     |      |       |
| W9W        | Sawt. | 1800    | -  | 450 | 370 | 40  | -  | 110 | 110 | 420  | 220 | -   | -    | 3520  |
|            | Pole  | 250     | -  | 10  | 10  | 20  | 10 | -   | 40  | 260  | 20  | -   | -    | 620   |
|            | Total | 2050    | -  | 460 | 380 | 60  | 10 | 110 | 150 | 680  | 240 | -   | -    | 4140  |
| W9M        | Sawt. | 800     | 20 | 310 | 330 | 240 | 40 | 40  | 130 | 840  | 20  | -   | -    | 2770  |
|            | Pole  | 250     | -  | 150 | 100 | 60  | 50 | -   | 10  | 240  | 180 | -   | -    | 1040  |
|            | Total | 1050    | 20 | 460 | 430 | 300 | 90 | 40  | 140 | 1080 | 200 | -   | -    | 3810  |
| W8W        | Sawt. | 480     | -  | 390 | 210 | 220 | 40 | 60  | -   | 800  | 20  | -   | -    | 2220  |
|            | Pole  | 330     | -  | 150 | 100 | 60  | 50 | -   | 10  | 240  | 180 | -   | -    | 1120  |
|            | Total | 810     | -  | 540 | 310 | 280 | 90 | 60  | 10  | 1040 | 200 | -   | -    | 3340  |

**TABLE 4q - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

| WHITE PINE            |         |     |      |      |      |     |     |     |      |      |     |      |       |
|-----------------------|---------|-----|------|------|------|-----|-----|-----|------|------|-----|------|-------|
| Type                  | Species |     |      |      |      |     |     |     |      |      |     |      |       |
| Strata                | WP      | PP  | L    | DF   | S    | AF  | H   | C   | GF   | LP   | WLP | Hdw. | Total |
| Board Feet (Scribner) |         |     |      |      |      |     |     |     |      |      |     |      |       |
| W9W                   | 9000    | -   | 2200 | 1800 | 200  | -   | 500 | 500 | 2000 | 1000 | -   | -    | 17200 |
| W9M                   | 4000    | 100 | 1500 | 1600 | 1200 | 200 | 200 | 600 | 4000 | 100  | -   | -    | 13500 |
| W8W                   | 2400    | -   | 1900 | 1000 | 1100 | 200 | 300 | -   | 3800 | 100  | -   | -    | 10800 |

**TABLE 4r - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5' - 10" d.b.h.) SIZE MATERIAL**

**CEDAR**

| Type   | Stand | Species    |    |     |     |    |    |     |      |      |    |     |            |
|--------|-------|------------|----|-----|-----|----|----|-----|------|------|----|-----|------------|
| Strata | Size  | WP         | PP | L   | DF  | S  | AF | H   | C    | GF   | LP | WLP | Hdw. Total |
|        |       | Cubic Feet |    |     |     |    |    |     |      |      |    |     |            |
| Ced9W  | Sawt. | 200        | -  | 310 | 210 | 80 | 60 | 420 | 1690 | 1060 | -  | -   | 4030       |
|        | Pole  | -          | -  | -   | -   | -  | -  | -   | 480  | 200  | -  | -   | 680        |
|        | Total | 200        | -  | 310 | 210 | 80 | 60 | 420 | 2170 | 1260 | -  | -   | 4710       |
| Ced9M  | Sawt. | 100        | -  | 160 | 140 | 20 | 20 | 210 | 1500 | 630  | -  | -   | 2780       |
|        | Pole  | -          | -  | -   | -   | -  | -  | -   | 400  | 200  | -  | -   | 600        |
|        | Total | 100        | -  | 160 | 140 | 20 | 20 | 210 | 1900 | 830  | -  | -   | 3380       |
| Ced9P  | Sawt. | 40         | -  | 60  | 100 | -  | -  | 110 | 530  | 210  | -  | -   | 1050       |
|        | Pole  | -          | -  | -   | -   | 50 | 50 | -   | 150  | 50   | -  | -   | 300        |
|        | Total | 40         | -  | 60  | 100 | 50 | 50 | 110 | 680  | 260  | -  | -   | 1350       |

**TABLE 4s - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

**CEDAR**

| Type   | Species |                       |      |      |     |     |      |      |      |    |     |            |
|--------|---------|-----------------------|------|------|-----|-----|------|------|------|----|-----|------------|
| Strata | WP      | PP                    | L    | DF   | S   | AF  | H    | C    | GF   | LP | WLP | Hdw. Total |
|        |         | Board Feet (Scribner) |      |      |     |     |      |      |      |    |     |            |
| Ced9W  | 1000    | -                     | 1500 | 1000 | 400 | 300 | 2000 | 8000 | 5000 | -  | -   | 19200      |
| Ced9M  | 500     | -                     | 800  | 700  | 100 | 100 | 1000 | 7100 | 3000 | -  | -   | 13300      |
| Ced9P  | 200     | -                     | 300  | 500  | -   | -   | 500  | 2500 | 1000 | -  | -   | 5000       |

TABLE 4t - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL

| WHITEBARK PINE - LIMBER PINE |       |         |    |    |     |   |    |     |   |    |    |     |     |       |
|------------------------------|-------|---------|----|----|-----|---|----|-----|---|----|----|-----|-----|-------|
| Type                         | Stand | Species |    |    |     |   |    |     |   |    |    |     |     |       |
| Strata                       | Size  | WP      | PP | L  | DF  | S | AF | H   | C | GF | LP | WLP | Hdw | Total |
| Cubic Feet                   |       |         |    |    |     |   |    |     |   |    |    |     |     |       |
| WLP9P                        | Sawt. | 80      | -  | 60 | 100 | - | -  | 610 | - | -  | -  | 20  | -   | 870   |
|                              | Pole  | 60      | -  | -  | 100 | - | -  | 50  | - | -  | -  | 80  | -   | 290   |
|                              | Total | 140     | -  | 60 | 200 | - | -  | 660 | - | -  | -  | 100 | -   | 1160  |

TABLE 4u - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)

| WHITEBARK PINE - LIMBER PINE |                       |    |     |     |   |    |      |   |    |     |     |      |       |
|------------------------------|-----------------------|----|-----|-----|---|----|------|---|----|-----|-----|------|-------|
| Type                         | Species               |    |     |     |   |    |      |   |    |     |     |      |       |
| Strata                       | WP                    | PP | L   | DF  | S | AF | H    | C | GF | LP  | WLP | Hdw. | Total |
|                              | Board Feet (Scribner) |    |     |     |   |    |      |   |    |     |     |      |       |
| WLP9P                        | 400                   | -  | 300 | 500 | - | -  | 2900 | - | -  | 100 | -   | -    | 4200  |

TABLE 4v - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL

| ASPEN      |       |         |    |   |    |   |    |   |   |    |     |     |      |       |
|------------|-------|---------|----|---|----|---|----|---|---|----|-----|-----|------|-------|
| Type       | Stand | Species |    |   |    |   |    |   |   |    |     |     |      |       |
| Strata     | Size  | WP      | PP | L | DF | S | AF | H | C | GF | LP  | WLP | Hdw. | Total |
| Cubic Feet |       |         |    |   |    |   |    |   |   |    |     |     |      |       |
| ASP9M      | Sawt. | -       | -  | - | -  | - | -  | - | - | -  | 110 | -   | 1060 | 1170  |
|            | Pole  | -       | -  | - | -  | - | -  | - | - | -  | 20  | -   | 500  | 520   |
|            | Total | -       | -  | - | -  | - | -  | - | - | -  | 130 | -   | 1560 | 1690  |
| ASP9P      | Sawt. | -       | -  | - | -  | - | -  | - | - | -  | 40  | -   | 630  | 670   |
|            | Pole  | -       | -  | - | 20 | - | -  | - | - | -  | 10  | -   | 300  | 330   |
|            | Total | -       | -  | - | 20 | - | -  | - | - | -  | 50  | -   | 930  | 1000  |

TABLE 4w - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)

| ASPEN  |                       |    |   |    |   |    |   |   |    |     |     |      |       |
|--------|-----------------------|----|---|----|---|----|---|---|----|-----|-----|------|-------|
| Type   | Species               |    |   |    |   |    |   |   |    |     |     |      |       |
| Strata | WP                    | PP | L | DF | S | AF | H | C | GF | LP  | WLP | Hdw. | Total |
|        | Board Feet (Scribner) |    |   |    |   |    |   |   |    |     |     |      |       |
| ASP9M  | -                     | -  | - | -  | - | -  | - | - | -  | 500 | -   | 5000 | 5500  |
| ASP9P  | -                     | -  | - | -  | - | -  | - | - | -  | 200 | -   | 3000 | 3200  |

**TABLE 4x - NET CUBIC FOOT VOLUMES PER ACRE FOR  
SAWTIMBER (11" + d.b.h.) AND POLE TIMBER (5" - 10" d.b.h.) SIZE MATERIAL**

|        |       | COTTONWOOD |    |   |    |   |    |   |   |    |     |     |      |       |
|--------|-------|------------|----|---|----|---|----|---|---|----|-----|-----|------|-------|
| Type   | Stand | Species    |    |   |    |   |    |   |   |    |     |     |      |       |
| Strata | Size  | WP         | PP | L | DF | S | AF | H | C | GF | LP  | WLP | Hdw. | Total |
|        |       | Cubic Feet |    |   |    |   |    |   |   |    |     |     |      |       |
| Cot9W  | Sawt. | -          | -  | - | -  | - | -  | - | - | -  | 210 | -   | 2000 | 2210  |
|        | Pole  | -          | -  | - | 50 | - | -  | - | - | -  | 50  | -   | 500  | 600   |
|        | Total | -          | -  | - | 50 | - | -  | - | - | -  | 260 | -   | 2500 | 2810  |
| Cot9M  | Sawt. | -          | -  | - | -  | - | -  | - | - | -  | 110 | -   | 1060 | 1170  |
|        | Pole  | -          | -  | - | 40 | - | -  | - | - | -  | 20  | -   | 500  | 560   |
|        | Total | -          | -  | - | 40 | - | -  | - | - | -  | 130 | -   | 1560 | 1730  |
| Cot8W  | Sawt. | -          | -  | - | -  | - | -  | - | - | -  | -   | -   | 210  | 210   |
|        | Pole  | -          | -  | - | -  | - | -  | - | - | -  | -   | -   | 700  | 700   |
|        | Total | -          | -  | - | -  | - | -  | - | - | -  | -   | -   | 910  | 910   |

**TABLE 4y - NET BOARD FOOT VOLUMES PER ACRE (SCRIBNER)  
SAWTIMBER-SIZE MATERIAL (11" + d.b.h.)**

|        |  | COTTONWOOD            |    |   |    |   |    |   |   |    |      |     |       |       |
|--------|--|-----------------------|----|---|----|---|----|---|---|----|------|-----|-------|-------|
| Type   |  | Species               |    |   |    |   |    |   |   |    |      |     |       |       |
| Strata |  | WP                    | PP | L | DF | S | AF | H | C | GF | LP   | WLP | Hdw.  | Total |
|        |  | Board Feet (Scribner) |    |   |    |   |    |   |   |    |      |     |       |       |
| Cot9W  |  | -                     | -  | - | -  | - | -  | - | - | -  | 1000 | -   | 10000 | 11000 |
| Cot9M  |  | -                     | -  | - | -  | - | -  | - | - | -  | 500  | -   | 5000  | 5500  |
| Cot8W  |  | -                     | -  | - | -  | - | -  | - | - | -  | -    | -   | 1000  | 1000  |



TABLE 5a - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson River Working Circle |             |         |            |            |              |                |                       |                   |           |  |
|-------------------------------|-------------|---------|------------|------------|--------------|----------------|-----------------------|-------------------|-----------|--|
| Species                       |             |         |            |            |              |                |                       |                   |           |  |
| Stand-Size Class              | Timber Type | Acres   | White Pine | Pond. Pine | D. Fir Larch | Sa. Fir Spruce | Hem-Ced. Gd. Fir-Hdw. | Lp. Pine Wb. Pine | Total     |  |
| -- NATIONAL FOREST --         |             |         |            |            |              |                |                       |                   |           |  |
| SCRIBNER M b.m.               |             |         |            |            |              |                |                       |                   |           |  |
| Sawtimber                     | DF          | 108,782 | 53,453     | 87,464     | 727,779      | 112,922        | 82,653                | 60,465            | 1,124,736 |  |
|                               | PP          | 46,435  | -          | 217,797    | 124,619      | -              | -                     | 15,031            | 357,447   |  |
|                               | WP          | 2,310   | 19,460     | 27         | 9,001        | 781            | 7,409                 | 2,071             | 38,749    |  |
|                               | LP          | 14,331  | 1,158      | -          | 12,987       | 19,234         | 3,350                 | 67,957            | 104,686   |  |
|                               | WLP         | 92      | 37         | -          | 74           | -              | 267                   | 9                 | 387       |  |
|                               | GF          | 1,652   | 5,394      | -          | 2,492        | 1,118          | 14,984                | 141               | 24,129    |  |
|                               | SaF         | 4,279   | 172        | -          | -            | 25,444         | 5,636                 | 3,746             | 34,998    |  |
|                               | S           | 10,483  | 2,962      | -          | 492          | 120,711        | 6,899                 | 975               | 132,039   |  |
|                               | MH          | 6,603   | -          | -          | -            | 8,177          | 32,135                | -                 | 40,312    |  |
|                               | Ced.        | 427     | 341        | -          | 893          | 217            | 5,564                 | -                 | 7,015     |  |
|                               | L           | 76,245  | 15,300     | 56,404     | 569,725      | 122,116        | 40,324                | 37,044            | 840,913   |  |
|                               | HD          | 165     | -          | -          | -            | -              | 850                   | 87                | 937       |  |
|                               |             | 271,804 | 98,277     | 361,692    | 1,448,062    | 410,720        | 200,071               | 187,526           | 2,706,348 |  |
| Pole                          | DF          | 33,191  | -          | 6,735      | 13,100       | 2,454          | -                     | 2,253             | 24,542    |  |
|                               | PP          | 293     | -          | 432        | 10           | -              | -                     | 57                | 499       |  |
|                               | WP          | 25      | 60         | -          | 73           | 33             | 103                   | 3                 | 272       |  |
|                               | LP          | 119,237 | 8,391      | 7,806      | 77,943       | 2,112          | -                     | 102,394           | 198,646   |  |
|                               | WLP         | -       | -          | -          | -            | -              | -                     | -                 | -         |  |
|                               | GF          | 55      | -          | -          | -            | -              | 28                    | -                 | 28        |  |
|                               | SaF         | 788     | -          | -          | 319          | 1,130          | 32                    | 55                | 1,536     |  |
|                               | S           | 41      | -          | -          | -            | 66             | -                     | -                 | 66        |  |
|                               | MH          | 477     | -          | -          | -            | -              | 152                   | -                 | 152       |  |
|                               | Ced.        | -       | -          | -          | -            | -              | -                     | -                 | -         |  |
|                               | L           | 10,276  | -          | 9,110      | 19,211       | -              | -                     | 3,338             | 31,659    |  |
|                               | HD          | 10      | -          | -          | -            | -              | 10                    | -                 | 10        |  |
|                               |             | 164,393 | 8,451      | 24,083     | 110,656      | 5,795          | 325                   | 108,100           | 257,410   |  |
| Total                         |             | 436,197 | 106,728    | 385,775    | 1,558,718    | 416,515        | 200,396               | 295,626           | 2,963,758 |  |

TABLE 5a, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

## Thompson River Working Circle

| Stand-Size Class | Timber Type | Acres | Species    |            |              |                |                       |                   |        | Total  |
|------------------|-------------|-------|------------|------------|--------------|----------------|-----------------------|-------------------|--------|--------|
|                  |             |       | White Pine | Pond. Pine | D. Fir Larch | Sa. Fir Spruce | Hem-Ced. Gd. Fir-Hdw. | Lp. Pine Wb. Pine |        |        |
| SCRIBNER M b.m.  |             |       |            |            |              |                |                       |                   |        |        |
| - OTHER PUBLIC - |             |       |            |            |              |                |                       |                   |        |        |
| Sawtimber        | DF          | 3,607 | 2,120      | 2,448      | 22,684       | 3,177          | 2,915                 | 1,924             | 35,268 |        |
|                  | PP          | 856   | -          | 3,622      | 2,174        | -              | -                     | 252               | 6,048  |        |
|                  | WP          | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  | LP          | 91    | 4          | -          | 32           | 103            | 36                    | 446               | 621    |        |
|                  | WLP         | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  | GF          | 41    | 144        | -          | 62           | 29             | 391                   | 4                 | 630    |        |
|                  | SaF         | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  | S           | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  | MH          | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  | Ced.        | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  | L           | 1,914 | 461        | 1,233      | 14,536       | 3,174          | 1,052                 | 999               | 21,455 |        |
|                  | HD          | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  |             | 6,509 | 2,729      | 7,303      | 39,488       | 6,483          | 4,394                 | 3,625             | 64,022 |        |
|                  | Pole        | DF    | 489        | -          | 232          | 156            | 30                    | -                 | 78     | 496    |
| PP               |             | 15    | -          | 26         | 1            | -              | -                     | 1                 | 28     |        |
| WP               |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| LP               |             | 1,866 | 94         | 159        | 1,566        | 24             | -                     | 1,879             | 3,722  |        |
| WLP              |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| GF               |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| SaF              |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| S                |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| MH               |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| Ced.             |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
| L                |             | 141   | -          | 113        | 310          | -              | -                     | 44                | 467    |        |
| HD               |             | -     | -          | -          | -            | -              | -                     | -                 | -      |        |
|                  |             | 2,511 | 94         | 530        | 2,033        | 54             | -                     | 2,002             | 4,713  |        |
| Total            |             |       | 9,020      | 2,823      | 7,833        | 41,521         | 6,537                 | 4,394             | 5,627  | 68,735 |

TABLE 5a, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson River Working Circle |             |        |            |            |              |                |                       |                   |         |  |
|-------------------------------|-------------|--------|------------|------------|--------------|----------------|-----------------------|-------------------|---------|--|
| Stand-Size Class              | Timber Type | Acres  | Species    |            |              |                |                       |                   |         |  |
|                               |             |        | White Pine | Pond. Pine | D. Fir Larch | Sa. Fir Spruce | Hem-Ced. Gd. Fir-Hdw. | Lp. Pine Wb. Pine | Total   |  |
| SCRIBNER M b.m.               |             |        |            |            |              |                |                       |                   |         |  |
| - LARGE PRIVATE -             |             |        |            |            |              |                |                       |                   |         |  |
| Sawtimber                     | DF          | 11,456 | 5,487      | 9,677      | 74,350       | 11,000         | 8,610                 | 5,927             | 115,051 |  |
|                               | PP          | 5,805  | -          | 30,947     | 17,748       | -              | -                     | 2,374             | 51,069  |  |
|                               | WP          | 597    | 5,073      | 6          | 2,334        | 192            | 1,899                 | 543               | 10,047  |  |
|                               | LP          | 1,451  | 170        | -          | 1,880        | 1,706          | 501                   | 6,070             | 10,327  |  |
|                               | WLP         | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               | GF          | 65     | 195        | -          | 65           | 26             | 520                   | 13                | 819     |  |
|                               | SaF         | 53     | -          | -          | -            | 300            | 62                    | 53                | 415     |  |
|                               | S           | 336    | 196        | -          | 18           | 3,976          | 427                   | 35                | 4,652   |  |
|                               | MH          | 331    | -          | -          | -            | 391            | 1,859                 | -                 | 2,250   |  |
|                               | Ced.        | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               | L           | 13,909 | 2,206      | 11,484     | 102,032      | 21,520         | 7,034                 | 6,183             | 150,459 |  |
|                               | HD          | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               |             | 34,003 | 13,327     | 52,114     | 198,427      | 39,111         | 20,912                | 21,198            | 345,089 |  |
| Pole                          | DF          | 1,932  | -          | 820        | 645          | 124            | -                     | 275               | 1,864   |  |
|                               | PP          | 469    | -          | 537        | 28           | -              | -                     | 30                | 595     |  |
|                               | WP          | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               | LP          | 15,343 | 771        | 1,270      | 12,647       | 198            | -                     | 15,232            | 30,118  |  |
|                               | WLP         | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               | GF          | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               | SaF         | 16     | -          | -          | 19           | 50             | -                     | -                 | 69      |  |
|                               | S           | 42     | -          | -          | 17           | 55             | 29                    | 8                 | 109     |  |
|                               | MH          | 28     | -          | -          | -            | -              | 11                    | -                 | 11      |  |
|                               | Ced.        | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               | L           | 1,187  | -          | 941        | 2,105        | -              | -                     | 348               | 3,394   |  |
|                               | HD          | -      | -          | -          | -            | -              | -                     | -                 | -       |  |
|                               |             | 19,017 | 771        | 3,568      | 15,461       | 427            | 40                    | 15,893            | 36,160  |  |
| Total                         |             | 53,020 | 14,098     | 55,682     | 213,888      | 39,538         | 20,952                | 37,091            | 381,249 |  |

TABLE 5a, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson River Working Circle |             |        |                 |            |              |                |                      |         |         |        |
|-------------------------------|-------------|--------|-----------------|------------|--------------|----------------|----------------------|---------|---------|--------|
| Stand-Size Class              | Timber Type | Acres  | White Pine      | Pond. Pine | D. Fir Larch | Sa. Fir Spruce | Hem-Ced. Gd.Fir-Hdw. | Lp Pine | Wb Pine | Total  |
|                               |             |        | SCRIBNER M b.m. |            |              |                |                      |         |         |        |
| - OTHER PRIVATE -             |             |        |                 |            |              |                |                      |         |         |        |
| Sawtimber                     | DF          | 4,731  | 2,272           | 4,083      | 29,655       | 4,131          | 3,553                | 2,278   |         | 45,972 |
|                               | PP          | 1,524  | -               | 7,191      | 4,475        | -              | -                    | 587     |         | 12,253 |
|                               | WP          | -      | -               | -          | -            | -              | -                    | -       | -       | -      |
|                               | LP          | 78     | 8               | -          | 62           | 31             | 71                   | 274     |         | 446    |
|                               | WLP         | -      | -               | -          | -            | -              | -                    | -       | -       | -      |
|                               | GF          | 130    | 312             | -          | 124          | 40             | 888                  | 24      |         | 1,388  |
|                               | SaF         | -      | -               | -          | -            | -              | -                    | -       | -       | -      |
|                               | S           | 85     | -               | -          | 2            | 1,075          | 3                    | 3       |         | 1,083  |
|                               | MH          | 15     | -               | -          | -            | 11             | 27                   | -       |         | 38     |
|                               | Ced.        | -      | -               | -          | -            | -              | -                    | -       | -       | -      |
|                               | L           | 2,469  | 122             | 1,941      | 16,828       | 3,675          | 974                  | 667     |         | 24,207 |
|                               | HD          | 103    | -               | -          | -            | -              | 475                  | 46      |         | 521    |
|                               |             | 9,135  | 2,714           | 13,215     | 51,146       | 8,963          | 5,991                | 3,879   |         | 85,908 |
| Pole                          | DF          | 1,641  | -               | 331        | 671          | 130            | -                    | 112     |         | 1,244  |
|                               | PP          | 100    | -               | 49         | 9            | -              | -                    | 8       |         | 66     |
|                               | WP          | -      | -               | -          | -            | -              | -                    | -       |         | -      |
|                               | LP          | 2,845  | 245             | 197        | 1,950        | 63             | -                    | 2,571   |         | 5,026  |
|                               | WLP         | -      | -               | -          | -            | -              | -                    | -       |         | -      |
|                               | GF          | -      | -               | -          | -            | -              | -                    | -       |         | -      |
|                               | SaF         | -      | -               | -          | -            | -              | -                    | -       |         | -      |
|                               | S           | -      | -               | -          | -            | -              | -                    | -       |         | -      |
|                               | MH          | 106    | -               | -          | -            | -              | 23                   | -       |         | 23     |
|                               | Ced.        | -      | -               | -          | -            | -              | -                    | -       |         | -      |
|                               | L           | 566    | -               | 462        | 1,217        | -              | -                    | 174     |         | 1,853  |
|                               | HD          | 5      | -               | -          | -            | -              | 5                    | -       |         | 5      |
|                               |             | 5,263  | 245             | 1,039      | 3,847        | 193            | 28                   | 2,865   |         | 8,217  |
| Total                         |             | 14,398 | 2,959           | 14,254     | 54,993       | 9,156          | 6,019                | 6,744   |         | 94,125 |



TABLE 5b - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Plains Block        |             |         |            |            |         |        |         |              |          |           |
|---------------------|-------------|---------|------------|------------|---------|--------|---------|--------------|----------|-----------|
| Stand-Size Class    | Timber Type | Acres   | White Pine | Pond. Pine | D. Fir  |        | Species |              | Hem-Ced. | Lp. Pine  |
|                     |             |         |            |            | Larch   | Spruce | Sa. Fir | Gd. Fir-Hdw. |          |           |
| SCRIBNER M b.m.     |             |         |            |            |         |        |         |              |          |           |
| - NATIONAL FOREST - |             |         |            |            |         |        |         |              |          |           |
| Sawtimber           | DF          | 37,264  | 17,296     | 32,824     | 236,988 |        | 33,860  | 27,638       | 18,211   | 366,817   |
|                     | PP          | 33,368  | -          | 163,781    | 94,365  |        | -       | -            | 11,892   | 270,038   |
|                     | WP          | -       | -          | -          | -       |        | -       | -            | -        | -         |
|                     | LP          | 5,799   | 421        | -          | 4,691   |        | 7,925   | 1,270        | 28,172   | 42,479    |
|                     | WLP         | 92      | 37         | -          | 74      |        | -       | 267          | 9        | 387       |
|                     | GF          | 150     | 402        | -          | 174     |        | 66      | 1,137        | 21       | 1,800     |
|                     | SaF         | 904     | 37         | -          | -       |        | 5,422   | 1,173        | 838      | 7,470     |
|                     | S           | 2,195   | 740        | -          | 101     |        | 25,639  | 1,680        | 200      | 28,360    |
|                     | MH          | 896     | -          | -          | -       |        | 973     | 3,572        | -        | 4,545     |
|                     | Ced.        | 10      | 2          | -          | 8       |        | -       | 40           | -        | 50        |
|                     | L           | 51,776  | 9,464      | 40,128     | 383,834 |        | 81,737  | 26,843       | 24,225   | 566,231   |
|                     | HD          | 5       | -          | -          | -       |        | -       | 50           | 5        | 55        |
|                     |             | 132,459 | 28,399     | 236,733    | 720,235 |        | 155,622 | 63,670       | 83,573   | 1,288,232 |
| Pole                | DF          | 6,732   | -          | 1,145      | 2,862   |        | 555     | -            | 384      | 4,946     |
|                     | PP          | 243     | -          | 325        | 10      |        | -       | -            | 45       | 380       |
|                     | WP          | 25      | 60         | -          | 73      |        | 33      | 103          | 3        | 272       |
|                     | LP          | 66,079  | 3,806      | 5,003      | 50,001  |        | 957     | -            | 62,024   | 121,791   |
|                     | WLP         | -       | -          | -          | -       |        | -       | -            | -        | -         |
|                     | GF          | -       | -          | -          | -       |        | -       | -            | -        | -         |
|                     | SaF         | 354     | -          | -          | 119     |        | 449     | 10           | 27       | 605       |
|                     | S           | 41      | -          | -          | -       |        | 66      | -            | -        | 66        |
|                     | MH          | 35      | -          | -          | -       |        | -       | 12           | -        | 12        |
|                     | Ced.        | -       | -          | -          | -       |        | -       | -            | -        | -         |
|                     | L           | 4,868   | -          | 4,338      | 8,884   |        | -       | -            | 1,587    | 14,809    |
|                     | HD          | 10      | -          | -          | -       |        | -       | 10           | -        | 10        |
|                     |             | 78,387  | 3,866      | 10,811     | 61,949  |        | 2,060   | 135          | 64,070   | 142,891   |
| Total               |             | 210,846 | 32,265     | 247,544    | 782,184 |        | 157,682 | 63,805       | 147,643  | 1,431,123 |

TABLE 5b, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

## Plains Block

| Stand-Size<br>Class | Timber<br>Type | Acres | White<br>Pine | Pond.<br>Pine | Species         |                   |                         |              |              | Lp. Pine      | Total |  |
|---------------------|----------------|-------|---------------|---------------|-----------------|-------------------|-------------------------|--------------|--------------|---------------|-------|--|
|                     |                |       |               |               | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd.Fir-Hdw. | Wb. Pine     |              |               |       |  |
| SCRIBNER M b.m.     |                |       |               |               |                 |                   |                         |              |              |               |       |  |
| - OTHER PUBLIC -    |                |       |               |               |                 |                   |                         |              |              |               |       |  |
| Sawtimber           | DF             | 1,491 | 999           | 958           | 7,700           | 655               | 1,252                   | 573          | 12,137       |               |       |  |
|                     | PP             | 666   | -             | 2,756         | 1,641           | -                 | -                       | 185          | 4,582        |               |       |  |
|                     | WP             | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     | LP             | 51    | -             | -             | -               | 87                | -                       | 306          | 393          |               |       |  |
|                     | WLP            | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     | GF             | 20    | 60            | -             | 20              | 8                 | 160                     | 4            | 252          |               |       |  |
|                     | Saf            | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     | S              | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     | MH             | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     | Ced.           | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     | L              | 988   | 238           | 698           | 7,541           | 1,619             | 555                     | 531          | 11,182       |               |       |  |
|                     | HD             | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     |                |       | <u>3,216</u>  | <u>1,297</u>  | <u>4,412</u>    | <u>16,902</u>     | <u>2,369</u>            | <u>1,967</u> | <u>1,599</u> | <u>28,546</u> |       |  |
|                     | Pole           | DF    | 219           | -             | 232             | 20                | 3                       | -            | 78           | 333           |       |  |
| PP                  |                | 5     | -             | 2'            | 1               | -                 | -                       | -            | 3            |               |       |  |
| WP                  |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| LP                  |                | 1,526 | 60            | 133           | 1,321           | 15                | -                       | 1,555        | 3,084        |               |       |  |
| WLP                 |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| GF                  |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| Saf                 |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| S                   |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| MH                  |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| Ced.                |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
| L                   |                | 84    | -             | 67            | 185             | -                 | -                       | 26           | 278          |               |       |  |
| HD                  |                | -     | -             | -             | -               | -                 | -                       | -            | -            |               |       |  |
|                     |                |       | <u>1,834</u>  | <u>60</u>     | <u>434</u>      | <u>1,527</u>      | <u>18</u>               | <u>-</u>     | <u>1,659</u> | <u>3,698</u>  |       |  |
| Total               |                |       | 5,050         | 1,357         | 4,846           | 18,429            | 2,387                   | 1,967        | 3,258        | 32,244        |       |  |

TABLE 5b, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Plains Block      |             |               |              |               |                |                |                      |               |                |
|-------------------|-------------|---------------|--------------|---------------|----------------|----------------|----------------------|---------------|----------------|
| Stand-Size Class  | Timber Type | Acres         | White Pine   | Pond. Pine    | Species        |                |                      | Lp. Pine      | Total          |
|                   |             |               |              |               | D. Fir Larch   | Sa. Fir Spruce | Hem-Ced. Gd.Fir-Hdw. |               |                |
| SCRIBNER M b.m.   |             |               |              |               |                |                |                      |               |                |
| - LARGE PRIVATE - |             |               |              |               |                |                |                      |               |                |
| Sawtimber         | DF          | 6,882         | 3,296        | 5,828         | 44,496         | 6,542          | 5,173                | 3,534         | 68,869         |
|                   | PP          | 4,509         | -            | 25,908        | 14,819         | -              | -                    | 2,077         | 42,804         |
|                   | WP          | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | LP          | 882           | 92           | -             | 1,010          | 1,078          | 277                  | 3,860         | 6,317          |
|                   | WLP         | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | GF          | 65            | 195          | -             | 65             | 26             | 520                  | 13            | 819            |
|                   | SaF         | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | S           | 35            | -            | -             | 1              | 420            | 2                    | 2             | 425            |
|                   | MH          | 13            | -            | -             | -              | 16             | 75                   | -             | 91             |
|                   | Ced.        | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | L           | 9,664         | 1,538        | 8,023         | 70,943         | 14,943         | 4,898                | 4,315         | 104,660        |
|                   | HD          | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   |             | <u>22,050</u> | <u>5,121</u> | <u>39,759</u> | <u>131,334</u> | <u>23,025</u>  | <u>10,945</u>        | <u>13,801</u> | <u>223,985</u> |
| Pole              | DF          | 987           | -            | 615           | 245            | 44             | -                    | 206           | 1,110          |
|                   | PP          | 446           | -            | 502           | 28             | -              | -                    | 18            | 548            |
|                   | WP          | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | LP          | 13,190        | 707          | 1,073         | 10,709         | 181            | -                    | 12,989        | 25,659         |
|                   | WLP         | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | GF          | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | SaF         | 16            | -            | -             | 19             | 50             | -                    | -             | 69             |
|                   | S           | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | MH          | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | Ced.        | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   | L           | 890           | -            | 692           | 1,487          | -              | -                    | 256           | 2,435          |
|                   | HD          | -             | -            | -             | -              | -              | -                    | -             | -              |
|                   |             | <u>15,529</u> | <u>707</u>   | <u>2,882</u>  | <u>12,488</u>  | <u>275</u>     | <u>-</u>             | <u>13,469</u> | <u>29,821</u>  |
| Total             |             | 37,579        | 5,828        | 42,641        | 143,822        | 23,300         | 10,945               | 27,270        | 253,806        |

TABLE 5b, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Plains Block      |             |       |            |            |              |         |                |                       |                   |       |
|-------------------|-------------|-------|------------|------------|--------------|---------|----------------|-----------------------|-------------------|-------|
| Stand-Size Class  | Timber Type | Acres | White Pine | Pond. Pine | D. Fir Larch | Species | Sa. Fir Spruce | Hem-Ced. Gd. Fir-Hdw. | Lp. Pine Wb. Pine | Total |
| SCRIBNER M b.m.   |             |       |            |            |              |         |                |                       |                   |       |
| - OTHER PRIVATE - |             |       |            |            |              |         |                |                       |                   |       |
| Sawtimber         | DF          | 1,287 | 760        | 938        | 7,332        | 833     | 1,037          | 562                   | 11,462            |       |
|                   | PP          | 732   | -          | 3,948      | 2,552        | -       | -              | 372                   | 6,872             |       |
|                   | WP          | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | LP          | 73    | 7          | -          | 58           | 29      | 66             | 256                   | 416               |       |
|                   | WLP         | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | GF          | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | SaF         | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | S           | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | MH          | 7     | -          | -          | -            | 5       | 13             | -                     | 18                |       |
|                   | Ced.        | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | L           | 2,214 | 122        | 1,765      | 15,159       | 3,294   | 889            | 623                   | 21,852            |       |
|                   | HD          | 10    | -          | -          | -            | -       | 50             | 5                     | 55                |       |
|                   |             | 4,323 | 889        | 6,651      | 25,101       | 4,161   | 2,055          | 1,818                 | 40,675            |       |
|                   | DF          | 165   | -          | 53         | 47           | 8       | -              | 18                    | 126               |       |
|                   | PP          | 85    | -          | 26         | 9            | -       | -              | -                     | 35                |       |
|                   | WP          | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
| Pole              | LP          | 2,187 | 192        | 149        | 1,488        | 48      | -              | 1,968                 | 3,845             |       |
|                   | WLP         | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | GF          | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | SaF         | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | S           | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | MH          | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | Ced.        | -     | -          | -          | -            | -       | -              | -                     | -                 |       |
|                   | L           | 251   | -          | 206        | 535          | -       | -              | 77                    | 818               |       |
|                   | HD          | 5     | -          | -          | -            | -       | 5              | -                     | 5                 |       |
|                   |             | 2,693 | 192        | 434        | 2,079        | 56      | 5              | 2,063                 | 4,829             |       |
|                   |             |       |            |            |              |         |                |                       |                   |       |
|                   |             |       |            |            |              |         |                |                       |                   |       |
|                   |             |       |            |            |              |         |                |                       |                   |       |
|                   |             |       |            |            |              |         |                |                       |                   |       |
|                   |             |       |            |            |              |         |                |                       |                   |       |
| Total             |             | 7,016 | 1,081      | 7,085      | 27,180       | 4,217   | 2,060          | 3,881                 | 45,504            |       |



TABLE 5c - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson Falls Block |             |         |            |            |              |                |                      |                   |           |  |
|----------------------|-------------|---------|------------|------------|--------------|----------------|----------------------|-------------------|-----------|--|
| Stand-Size Class     | Timber Type | Acres   | White Pine | Pond. Pine | D. Fir Larch | Sa. Fir Spruce | Hem-Ced. Gd.Fir-Hdw. | Lp. Pine Wb. Pine | Total     |  |
|                      |             |         |            |            |              |                |                      |                   |           |  |
| SCRIBNER M b.m.      |             |         |            |            |              |                |                      |                   |           |  |
| - NATIONAL FOREST -  |             |         |            |            |              |                |                      |                   |           |  |
| Sawtimber            | DF          | 71,518  | 36,157     | 54,640     | 490,791      | 79,062         | 55,015               | 42,254            | 757,919   |  |
|                      | PP          | 13,067  | -          | 54,016     | 30,254       | -              | -                    | 3,139             | 87,409    |  |
|                      | WP          | 2,310   | 19,460     | 27         | 9,001        | 781            | 7,409                | 2,071             | 38,749    |  |
|                      | LP          | 8,532   | 737        | -          | 8,296        | 11,309         | 2,080                | 39,785            | 62,207    |  |
|                      | WLP         | -       | -          | -          | -            | -              | -                    | -                 | -         |  |
|                      | GF          | 1,502   | 4,992      | -          | 2,318        | 1,052          | 13,847               | 120               | 22,329    |  |
|                      | SaF         | 3,375   | 135        | -          | -            | 20,022         | 4,463                | 2,908             | 27,528    |  |
|                      | S           | 8,288   | 2,222      | -          | 391          | 95,072         | 5,219                | 775               | 103,679   |  |
|                      | MH          | 5,707   | -          | -          | -            | 7,204          | 28,563               | -                 | 35,767    |  |
|                      | Ced.        | 417     | 339        | -          | 885          | 217            | 5,524                | -                 | 6,965     |  |
|                      | L           | 24,469  | 5,836      | 16,276     | 185,891      | 40,379         | 13,481               | 12,819            | 274,682   |  |
|                      | HD          | 160     | -          | -          | -            | -              | 800                  | 82                | 882       |  |
|                      |             | 139,345 | 69,878     | 124,959    | 727,827      | 255,098        | 136,401              | 103,953           | 1,418,116 |  |
| Pole                 | DF          | 26,459  | -          | 5,590      | 10,238       | 1,899          | -                    | 1,869             | 19,596    |  |
|                      | PP          | 50      | -          | 107        | -            | -              | -                    | 12                | 119       |  |
|                      | WP          | -       | -          | -          | -            | -              | -                    | -                 | -         |  |
|                      | LP          | 53,158  | 4,585      | 2,803      | 27,942       | 1,155          | -                    | 40,370            | 76,855    |  |
|                      | WLP         | -       | -          | -          | -            | -              | -                    | -                 | -         |  |
|                      | GF          | 55      | -          | -          | -            | -              | 28                   | -                 | 28        |  |
|                      | SaF         | 434     | -          | -          | 200          | 681            | 22                   | 28                | 931       |  |
|                      | S           | -       | -          | -          | -            | -              | -                    | -                 | -         |  |
|                      | MH          | 442     | -          | -          | -            | -              | 140                  | -                 | 140       |  |
|                      | Ced.        | -       | -          | -          | -            | -              | -                    | -                 | -         |  |
|                      | L           | 5,408   | -          | 4,772      | 10,327       | -              | -                    | 1,751             | 16,850    |  |
|                      | HD          | -       | -          | -          | -            | -              | -                    | -                 | -         |  |
|                      |             | 86,006  | 4,585      | 13,272     | 48,707       | 3,735          | 190                  | 44,030            | 114,519   |  |
| Total                |             | 225,351 | 74,463     | 138,231    | 776,534      | 258,833        | 136,591              | 147,983           | 1,532,635 |  |

TABLE 5c, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson Falls Block |                |       |               |               |                 |                   |                         |                      |        |
|----------------------|----------------|-------|---------------|---------------|-----------------|-------------------|-------------------------|----------------------|--------|
| Stand-Size<br>Class  | Timber<br>Type | Acres | Species       |               |                 |                   |                         |                      |        |
|                      |                |       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd.Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total  |
| SCRIBNER M b.m.      |                |       |               |               |                 |                   |                         |                      |        |
| - OTHER PUBLIC -     |                |       |               |               |                 |                   |                         |                      |        |
| Sawtimber            | DF             | 2,116 | 1,121         | 1,490         | 14,984          | 2,522             | 1,663                   | 1,351                | 23,131 |
|                      | PP             | 190   | -             | 866           | 533             | -                 | -                       | 67                   | 1,466  |
|                      | WP             | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      | LP             | 40    | 4             | -             | 32              | 16                | 36                      | 140                  | 228    |
|                      | WLP            | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      | GF             | 21    | 84            | -             | 42              | 21                | 231                     | -                    | 378    |
|                      | SaF            | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      | S              | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      | MH             | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      | Ced.           | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      | L              | 926   | 223           | 535           | 6,995           | 1,555             | 497                     | 468                  | 10,273 |
|                      | HD             | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      |                | 3,293 | 1,432         | 2,891         | 22,586          | 4,114             | 2,427                   | 2,026                | 35,476 |
|                      | Pole           | DF    | 270           | -             | -               | 136               | 27                      | -                    | -      |
| PP                   |                | 10    | -             | 24            | -               | -                 | -                       | 1                    | 25     |
| WP                   |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| LP                   |                | 340   | 34            | 26            | 245             | 9                 | -                       | 324                  | 638    |
| WLP                  |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| GF                   |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| SaF                  |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| S                    |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| MH                   |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| Ced.                 |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
| L                    |                | 57    | -             | 46            | 125             | -                 | -                       | 18                   | 189    |
| HD                   |                | -     | -             | -             | -               | -                 | -                       | -                    | -      |
|                      |                | 677   | 34            | 96            | 506             | 36                | -                       | 343                  | 1,015  |
| Total                |                |       | 3,970         | 1,466         | 2,987           | 23,092            | 4,150                   | 2,427                | 2,369  |

TABLE 5c, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson Falls Block |                |        |               |               |                 |                   |                         |                      |         |         |
|----------------------|----------------|--------|---------------|---------------|-----------------|-------------------|-------------------------|----------------------|---------|---------|
| Stand-Size<br>Class  | Timber<br>Type | Acres  | Species       |               |                 |                   |                         |                      |         |         |
|                      |                |        | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd.Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total   |         |
| SCRIBNER M b.m.      |                |        |               |               |                 |                   |                         |                      |         |         |
| - LARGE PRIVATE -    |                |        |               |               |                 |                   |                         |                      |         |         |
| Sawtimber            | DF             | 4,574  | 2,191         | 3,849         | 29,854          | 4,458             | 3,437                   | 2,393                | 46,182  |         |
|                      | PP             | 1,296  | -             | 5,039         | 2,929           | -                 | -                       | 297                  | 8,265   |         |
|                      | WP             | 597    | 5,073         | 6             | 2,334           | 192               | 1,899                   | 543                  | 10,047  |         |
|                      | LP             | 569    | 78            | -             | 870             | 628               | 224                     | 2,210                | 4,010   |         |
|                      | WLP            | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
|                      | GF             | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
|                      | SaF            | 53     | -             | -             | -               | 300               | 62                      | 53                   | 415     |         |
|                      | S              | 301    | 196           | -             | 17              | 3,556             | 425                     | 33                   | 4,227   |         |
|                      | MH             | 318    | -             | -             | -               | 375               | 1,784                   | -                    | 2,159   |         |
|                      | Ced.           | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
|                      | L              | 4,245  | 668           | 3,461         | 31,089          | 6,577             | 2,136                   | 1,868                | 45,799  |         |
|                      | HD             | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
|                      |                | 11,953 | 8,206         | 12,355        | 67,093          | 16,086            | 9,967                   | 7,397                | 121,104 |         |
|                      | Pole           | DF     | 945           | -             | 205             | 400               | 80                      | -                    | 69      | 754     |
| PP                   |                | 23     | -             | 35            | -               | -                 | -                       | 12                   | 47      |         |
| WP                   |                | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
| LP                   |                | 2,153  | 64            | 197           | 1,938           | 17                | -                       | 2,243                | 4,459   |         |
| WLP                  |                | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
| GF                   |                | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
| SaF                  |                | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
| S                    |                | 42     | -             | -             | 17              | 55                | 29                      | 8                    | 109     |         |
| MH                   |                | 28     | -             | -             | -               | -                 | 11                      | -                    | 11      |         |
| Ced.                 |                | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
| L                    |                | 297    | -             | 249           | 618             | -                 | -                       | 92                   | 959     |         |
| HD                   |                | -      | -             | -             | -               | -                 | -                       | -                    | -       |         |
|                      |                | 3,488  | 64            | 686           | 2,973           | 152               | 40                      | 2,424                | 6,339   |         |
| Total                |                |        | 15,441        | 8,270         | 13,041          | 70,066            | 16,238                  | 10,007               | 9,821   | 127,443 |

TABLE 5c, continued - VOLUME OF LIVE SAWTIMBER BY OWNERSHIP, STAND SIZE CLASS, FOREST TYPE AND SPECIES

| Thompson Falls Block |             |       |            |            |              |                |                      |                   |        |
|----------------------|-------------|-------|------------|------------|--------------|----------------|----------------------|-------------------|--------|
| Stand-Size Class     | Timber Type | Acres | White Pine | Pond. Pine | Species      |                |                      |                   |        |
|                      |             |       |            |            | D. Fir Larch | Sa. Fir Spruce | Hem-Ced. Gd.Fir-Hdw. | Lp. Pine Wb. Pine |        |
| SCRIBNER M b.m.      |             |       |            |            |              |                |                      |                   |        |
| - OTHER PRIVATE -    |             |       |            |            |              |                |                      |                   |        |
| Sawtimber            | DF          | 3,444 | 1,512      | 3,145      | 22,323       | 3,298          | 2,516                | 1,716             | 34,510 |
|                      | PP          | 792   | -          | 3,243      | 1,923        | -              | -                    | 215               | 5,381  |
|                      | WP          | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | LP          | 5     | 1          | -          | 4            | 2              | 5                    | 18                | 30     |
|                      | WLP         | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | GF          | 130   | 312        | -          | 124          | 40             | 888                  | 24                | 1,388  |
|                      | SaF         | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | S           | 85    | -          | -          | 2            | 1,075          | 3                    | 3                 | 1,083  |
|                      | MH          | 8     | -          | -          | -            | 6              | 14                   | -                 | 20     |
|                      | Ced.        | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | L           | 255   | -          | 176        | 1,669        | 381            | 85                   | 44                | 2,355  |
|                      | HD          | 93    | -          | -          | -            | -              | 425                  | 41                | 466    |
|                      |             | 4,812 | 1,825      | 6,564      | 26,045       | 4,802          | 3,936                | 2,061             | 45,233 |
| Pole                 | DF          | 1,476 | -          | 278        | 624          | 122            | -                    | 94                | 1,118  |
|                      | PP          | 15    | -          | 23         | -            | -              | -                    | 8                 | 31     |
|                      | WP          | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | LP          | 658   | 53         | 48         | 462          | 15             | -                    | 603               | 1,181  |
|                      | WLP         | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | GF          | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | SaF         | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | S           | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | MH          | 106   | -          | -          | -            | -              | 23                   | -                 | 23     |
|                      | Ced.        | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      | L           | 315   | -          | 256        | 682          | -              | -                    | 97                | 1,035  |
|                      | HD          | -     | -          | -          | -            | -              | -                    | -                 | -      |
|                      |             | 2,570 | 53         | 605        | 1,768        | 137            | 23                   | 802               | 3,388  |
| Total                |             | 7,382 | 1,878      | 7,169      | 27,813       | 4,939          | 3,959                | 2,863             | 48,621 |



TABLE 6a - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE, STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                  |                  |                  |                     |                     |                        |                      |                       |                      |                        |
|-------------------------------|------------------|------------------|------------------|---------------------|---------------------|------------------------|----------------------|-----------------------|----------------------|------------------------|
| Forest Type                   | Stand Size Class | Area (Acres)     | Tree Size Class  | Species             |                     |                        |                      |                       |                      |                        |
|                               |                  |                  |                  | White Pine          | Pond. Pine          | D. Fir Larch           | Sa. Fir Spruce       | Hem-Ced. Gd. Fir-Hdw. | Lp. Pine WB. Pine    | Total                  |
| M CUBIC FEET                  |                  |                  |                  |                     |                     |                        |                      |                       |                      |                        |
| - NATIONAL FOREST -           |                  |                  |                  |                     |                     |                        |                      |                       |                      |                        |
| DF                            | Sawtimber        | 108,782          | Sawt. Pole Total | 10,690 - 10,690     | 17,493 4,392 21,885 | 148,490 31,975 180,465 | 22,584 10,128 32,712 | 17,192 22,402 39,594  | 12,879 30,997 43,876 | 229,328 99,894 329,222 |
| PP                            | 46,435           | Sawt. Pole Total | - - -            | 43,559 2,266 45,825 | 25,432 7,964 33,396 | - 397 397              | - - -                | - - -                 | 3,202 11,663 14,865  | 72,193 22,290 94,483   |
| WP                            | 2,310            | Sawt. Pole Total | 3,892 578 4,470  | 5 - 5               | 1,836 108 1,944     | 156 90 246             | 1,541 681 2,222      | 441 89 530            | 7,871 1,546 9,417    |                        |
| LP                            | 14,331           | Sawt. Pole Total | 231 219 450      | - - -               | 2,649 113 2,762     | 3,847 2,183 6,030      | 697 93 790           | 14,474 11,975 26,449  | 21,898 14,583 36,481 |                        |
| WLP                           | 92               | Sawt. Pole Total | 7 6 13           | - - -               | 15 9 24             | - - -                  | 55 12 67             | 2 - 2                 | 79 27 106            |                        |
| GF                            | 1,652            | Sawt. Pole Total | 1,078 63 1,141   | - - -               | 508 18 526          | 225 - 225              | 3,116 493 3,609      | 28 - 28               | 4,955 574 5,529      |                        |
| SaF                           | 4,279            | Sawt. Pole Total | 34 - 34          | - - -               | - - -               | 5,088 341 5,429        | 1,172 201 1,373      | 797 10 807            | 7,091 552 7,643      |                        |
| S                             | 10,483           | Sawt. Pole Total | 592 13 605       | - - -               | 98 - 98             | 24,142 2,899 27,041    | 1,434 1,337 2,771    | 208 - 208             | 26,474 4,249 30,723  |                        |
| MH                            | 6,603            | Sawt. Pole Total | - - -            | - - -               | - - -               | 1,636 737 2,373        | 6,683 787 7,470      | - - -                 | 8,319 1,524 9,843    |                        |

(continued next page)

TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle  |                      |                 |                       |                   |               |                 |                  |                         |                    |         |   |
|--------------------------------|----------------------|-----------------|-----------------------|-------------------|---------------|-----------------|------------------|-------------------------|--------------------|---------|---|
| Forest<br>Type                 | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species - - - - - |               |                 |                  |                         |                    |         |   |
|                                |                      |                 |                       | White<br>Pine     | Pond.<br>Pine | D. Fir<br>Larch | Sa.Fir<br>Spruce | Hem-Ced.<br>Gd.Fir-Hdw. | Lp.Pine<br>Wb.Pine | Total   |   |
| M CUBIC FEET                   |                      |                 |                       |                   |               |                 |                  |                         |                    |         |   |
| - NATIONAL FOREST, continued - |                      |                 |                       |                   |               |                 |                  |                         |                    |         |   |
| Ced.                           | Sawtimber<br>(cont.) | 427             | Sawt.                 | 68                | -             | 182             | 43               | 1,157                   | -                  | 1,450   | - |
|                                |                      |                 | Pole                  | -                 | -             | 4               | -                | 265                     | -                  | 269     | - |
|                                |                      |                 | Total                 | 68                | -             | 186             | 43               | 1,422                   | -                  | 1,719   | - |
| L                              | 76,245               |                 | Sawt.                 | 3,060             | 11,281        | 116,262         | 24,423           | 8,387                   | 7,890              | 171,303 | - |
|                                |                      |                 | Pole                  | 221               | 1,192         | 21,027          | 8,193            | 10,368                  | 26,660             | 67,661  | - |
|                                |                      |                 | Total                 | 3,281             | 12,473        | 137,289         | 32,616           | 18,755                  | 34,550             | 238,964 | - |
| HD                             | 165                  |                 | Sawt.                 | -                 | -             | -               | -                | 150                     | 17                 | 167     | - |
|                                |                      |                 | Pole                  | -                 | -             | -               | -                | 85                      | 3                  | 88      | - |
|                                |                      |                 | Total                 | -                 | -             | -               | -                | 235                     | 20                 | 255     | - |
| TOTAL                          | 271,804              |                 | Sawt.                 | 19,652            | 72,338        | 295,472         | 82,144           | 41,584                  | 39,938             | 551,128 | - |
|                                |                      |                 | Pole                  | 1,100             | 7,850         | 61,218          | 24,968           | 36,724                  | 81,397             | 213,257 | - |
|                                |                      |                 | Total                 | 20,752            | 80,188        | 356,690         | 107,112          | 78,308                  | 121,335            | 764,385 | - |
| DF                             | Pole                 | 33,191          | Sawt.                 | -                 | 1,347         | 2,673           | 491              | -                       | 479                | 4,990   | - |
|                                |                      |                 | Pole                  | -                 | 2,823         | 10,877          | 487              | -                       | 3,551              | 17,738  | - |
|                                |                      |                 | Total                 | -                 | 4,170         | 13,550          | 978              | -                       | 4,030              | 22,728  | - |
| PP                             | 293                  |                 | Sawt.                 | -                 | 86            | 2               | -                | -                       | 11                 | 99      | - |
|                                |                      |                 | Pole                  | -                 | 201           | 27              | -                | -                       | 67                 | 295     | - |
|                                |                      |                 | Total                 | -                 | 287           | 29              | -                | -                       | 78                 | 394     | - |

(continued next page)

TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle  |                     |                 |                       |               |               |                 |                   |                          |                      |         |
|--------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|---------|
| Forest<br>Type                 | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |         |
|                                |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total   |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |                   |                          |                      |         |
| - NATIONAL FOREST, continued - |                     |                 |                       |               |               |                 |                   |                          |                      |         |
| WP                             | 25                  | Pole<br>(cont.) | Sawt.                 | 12            | -             | 15              | 7                 | 21                       | 1                    | 56      |
|                                |                     |                 | Pole                  | 8             | -             | 6               | 3                 | 6                        | 5                    | 28      |
|                                |                     |                 | Total                 | 20            | -             | 21              | 10                | 27                       | 6                    | 84      |
| LP                             | 119,237             |                 | Sawt.                 | 1,678         | 1,562         | 15,900          | 422               | -                        | 21,810               | 41,372  |
|                                |                     |                 | Pole                  | 784           | 204           | 9,494           | 844               | 1,201                    | 95,117               | 107,644 |
|                                |                     |                 | Total                 | 2,462         | 1,766         | 25,394          | 1,266             | 1,201                    | 116,927              | 149,016 |
| GF                             | 55                  |                 | Sawt.                 | -             | -             | -               | -                 | 6                        | -                    | 6       |
|                                |                     |                 | Pole                  | -             | -             | 3               | 6                 | 30                       | 3                    | 42      |
|                                |                     |                 | Total                 | -             | -             | 3               | 6                 | 36                       | 3                    | 48      |
| SaF                            | 788                 |                 | Sawt.                 | -             | -             | 64              | 226               | 6                        | 11                   | 307     |
|                                |                     |                 | Pole                  | -             | -             | -               | 353               | 6                        | 85                   | 444     |
|                                |                     |                 | Total                 | -             | -             | 64              | 579               | 12                       | 96                   | 751     |
| S                              | 41                  |                 | Sawt.                 | -             | -             | -               | 13                | -                        | -                    | 13      |
|                                |                     |                 | Pole                  | -             | -             | -               | 15                | 7                        | -                    | 22      |
|                                |                     |                 | Total                 | -             | -             | -               | 28                | 7                        | -                    | 35      |
| MH                             | 477                 |                 | Sawt.                 | -             | -             | -               | -                 | 30                       | -                    | 30      |
|                                |                     |                 | Pole                  | -             | -             | -               | 47                | 196                      | 16                   | 259     |
|                                |                     |                 | Total                 | -             | -             | -               | 47                | 226                      | 16                   | 289     |
| L                              | 10,276              |                 | Sawt.                 | -             | 1,822         | 3,919           | -                 | -                        | 711                  | 6,452   |
|                                |                     |                 | Pole                  | -             | 896           | 2,334           | -                 | -                        | 7,930                | 11,160  |
|                                |                     |                 | Total                 | -             | 2,718         | 6,253           | -                 | -                        | 8,641                | 17,612  |
| HD                             | 10                  |                 | Sawt.                 | -             | -             | -               | -                 | 2                        | -                    | 2       |
|                                |                     |                 | Pole                  | -             | -             | -               | -                 | 7                        | -                    | 7       |
|                                |                     |                 | Total                 | -             | -             | -               | -                 | 9                        | -                    | 9       |

(continued next page)



TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle  |                     |                 |                       |               |               |                 |         |          |              |          |       |
|--------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|---------|----------|--------------|----------|-------|
| Forest<br>Type                 | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |         |          |              |          | Total |
|                                |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir | Hem-Ced. | Gd. Fir-Hdw. | Lp. Pine |       |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |         |          |              |          |       |
| - NATIONAL FOREST, continued - |                     |                 |                       |               |               |                 |         |          |              |          |       |
| TOTAL                          | Pole<br>(cont.)     | 164,393         | Sawt.                 | 1,690         | 4,817         | 22,573          | 1,159   | 65       | 23,023       | 53,327   |       |
|                                |                     |                 | Pole                  | 792           | 4,124         | 22,741          | 1,755   | 1,453    | 106,774      | 137,639  |       |
|                                |                     |                 | Total                 | 2,482         | 8,941         | 45,314          | 2,914   | 1,518    | 129,797      | 190,966  |       |
| TOTAL<br>SAWTIMBER<br>& POLES  |                     | 436,197         | Sawt.                 | 21,342        | 77,155        | 318,045         | 83,303  | 41,649   | 62,961       | 604,455  |       |
|                                |                     |                 | Pole                  | 1,892         | 11,974        | 83,959          | 26,723  | 38,177   | 188,171      | 350,896  |       |
|                                |                     |                 | Total                 | 23,234        | 89,129        | 402,004         | 110,026 | 79,826   | 251,132      | 955,351  |       |

| M CUBIC FEET     |           |       |       |     |     |       |     |       |       |        |
|------------------|-----------|-------|-------|-----|-----|-------|-----|-------|-------|--------|
| - OTHER PUBLIC - |           |       |       |     |     |       |     |       |       |        |
| DF               | Sawtimber | 3,607 | Sawt. | 424 | 490 | 4,628 | 635 | 606   | 410   | 7,193  |
|                  |           |       | Pole  | -   | 170 | 1,082 | 354 | 893   | 815   | 3,314  |
|                  |           |       | Total | 424 | 660 | 5,710 | 989 | 1,499 | 1,225 | 10,507 |
| PP               | 856       |       | Sawt. | -   | 724 | 444   | -   | -     | 53    | 1,221  |
|                  |           |       | Pole  | -   | 39  | 159   | 6   | -     | 213   | 417    |
|                  |           |       | Tptal | -   | 763 | 603   | 6   | -     | 266   | 1,638  |
| LP               | 91        |       | Sawt. | 1   | -   | 6     | 20  | 7     | 95    | 129    |
|                  |           |       | Pole  | 4   | -   | -     | 9   | 1     | 53    | 67     |
|                  |           |       | Total | 5   | -   | 6     | 29  | 8     | 148   | 196    |
| GF               | 41        |       | Sawt. | 29  | -   | 12    | 6   | 81    | 1     | 129    |
|                  |           |       | Pole  | 2   | -   | -     | -   | 12    | -     | 14     |
|                  |           |       | Total | 31  | -   | 12    | 6   | 93    | 1     | 143    |

(continued next page)





TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                     |                 |                       |               |               |                 |                   |                          |                      |        |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|
| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total  |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                   |                          |                      |        |
| - LARGE PRIVATE -             |                     |                 |                       |               |               |                 |                   |                          |                      |        |
| DF                            | Sawtimber           | 11,456          | Sawt.                 | 1,097         | 1,936         | 15,167          | 2,200             | 1,791                    | 1,263                | 23,454 |
|                               |                     |                 | Pole                  | -             | 496           | 956             | 2,434             | 3,111                    | 10,403               |        |
|                               |                     |                 | Total                 | 1,097         | 2,432         | 18,573          | 4,225             | 4,374                    | 33,857               |        |
| PP                            | 5,805               | Sawt.           | -                     | 6,190         | 3,621         | -               | -                 | -                        | 505                  | 10,316 |
|                               |                     | Pole            | -                     | 299           | 836           | 69              | -                 | 1,524                    | 2,728                |        |
|                               |                     | Total           | -                     | 6,489         | 4,457         | 69              | 2,029             | 13,044                   |                      |        |
| WP                            | 597                 | Sawt.           | 1,015                 | 1             | 476           | 38              | 395               | 116                      | 2,041                |        |
|                               |                     | Pole            | 150                   | -             | 25            | 24              | 176               | 21                       | 396                  |        |
|                               |                     | Total           | 1,165                 | 1             | 501           | 62              | 571               | 137                      | 2,437                |        |
| LP                            | 1,451               | Sawt.           | 34                    | -             | 383           | 342             | 105               | 1,293                    | 2,157                |        |
|                               |                     | Pole            | 35                    | -             | 16            | 209             | 6                 | 1,142                    | 1,408                |        |
|                               |                     | Total           | 69                    | -             | 399           | 551             | 111               | 2,435                    | 3,565                |        |
| GFA                           | 65                  | Sawt.           | 39                    | -             | 13            | 5               | 108               | 3                        | 168                  |        |
|                               |                     | Pole            | 2                     | -             | -             | -               | 13                | -                        | 15                   |        |
|                               |                     | Total           | 41                    | -             | 13            | 5               | 121               | 3                        | 183                  |        |
| SaF                           | 53                  | Sawt.           | -                     | -             | -             | 60              | 13                | 11                       | 84                   |        |
|                               |                     | Pole            | -                     | -             | -             | 3               | 2                 | -                        | 5                    |        |
|                               |                     | Total           | -                     | -             | -             | 63              | 15                | 11                       | 89                   |        |
| S                             | 336                 | Sawt.           | 39                    | -             | 3             | 795             | 88                | 7                        | 932                  |        |
|                               |                     | Pole            | 1                     | -             | -             | 83              | 89                | -                        | 173                  |        |
|                               |                     | Total           | 40                    | -             | 3             | 878             | 177               | 7                        | 1,105                |        |

(continued next page)

TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                   |              |                 |            |            |        |        |         |          |          |              |          |       |
|-------------------------------|-------------------|--------------|-----------------|------------|------------|--------|--------|---------|----------|----------|--------------|----------|-------|
| Forest Type                   | Stand Size Class  | Area (Acres) | Tree Size Class | Species    |            |        |        |         |          |          |              |          |       |
|                               |                   |              |                 | White Pine | Pond. Pine | D. Fir | Larch  | Sa. Fir | Hem-Ced. | Lp. Pine | Gd. Fir-Hdw. | Wb. Pine | Total |
| M CUBIC FEET                  |                   |              |                 |            |            |        |        |         |          |          |              |          |       |
| - LARGE PRIVATE, continued -  |                   |              |                 |            |            |        |        |         |          |          |              |          |       |
| MH                            | Sawtimber (cont.) | 331          | Sawt.           | -          | -          | -      | -      | 78      | 386      | -        | -            | 464      |       |
|                               |                   |              | Pole            | -          | -          | -      | 32     | 33      | -        | -        | 65           |          |       |
|                               |                   |              | Total           | -          | -          | -      | 110    | 419     | -        | -        | 529          |          |       |
| L                             |                   | 13,909       | Sawt.           | 442        | 2,297      | 20,814 | 4,304  | 1,463   | 1,317    |          |              | 30,637   |       |
|                               |                   |              | Pole            | 38         | 243        | 3,873  | 1,311  | 1,838   | 4,859    |          |              | 12,162   |       |
|                               |                   |              | Total           | 480        | 2,540      | 24,687 | 5,615  | 3,301   | 6,176    |          |              | 42,799   |       |
| TOTAL                         |                   | 34,003       | Sawt.           | 2,666      | 10,424     | 40,477 | 7,822  | 4,349   | 4,515    |          |              | 70,253   |       |
|                               |                   |              | Pole            | 226        | 1,038      | 8,156  | 2,687  | 4,591   | 10,657   |          |              | 27,355   |       |
|                               |                   |              | Total           | 2,892      | 11,462     | 48,633 | 10,509 | 8,940   | 15,172   |          |              | 97,608   |       |
| DF                            | Pole              | 1,932        | Sawt.           | -          | 164        | 142    | 25     | -       | 59       |          |              | 390      |       |
|                               |                   |              | Pole            | -          | 344        | 525    | 25     | -       | 273      |          |              | 1,167    |       |
|                               |                   |              | Total           | -          | 508        | 667    | 50     | -       | 332      |          |              | 1,557    |       |
| PP                            |                   | 469          | Sawt.           | -          | 107        | 6      | -      | -       | 6        |          |              | 119      |       |
|                               |                   |              | Pole            | -          | 261        | 49     | -      | -       | 74       |          |              | 384      |       |
|                               |                   |              | Total           | -          | 368        | 55     | -      | -       | 80       |          |              | 503      |       |
| LP                            |                   | 15,343       | Sawt.           | 154        | 254        | 3,019  | 39     | -       | 3,245    |          |              | 6,711    |       |
|                               |                   |              | Pole            | 127        | 7          | 1,142  | 75     | 166     | 14,044   |          |              | 15,561   |       |
|                               |                   |              | Total           | 281        | 261        | 4,161  | 114    | 166     | 17,289   |          |              | 22,272   |       |
| SaF                           |                   | 16           | Sawt.           | -          | -          | 4      | 10     | -       | -        |          |              | 14       |       |
|                               |                   |              | Pole            | -          | -          | -      | 8      | -       | 1        |          |              | 9        |       |
|                               |                   |              | Total           | -          | -          | 4      | 18     | -       | 1        |          |              | 23       |       |

(continued next page)

TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|---------|--|
| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |         |  |
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total   |  |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
| - LARGE PRIVATE, continued -  |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
| S                             | Pole<br>(cont.)     | 42              | Sawt.                 | -             | -             | 3               | 11                | 6                        | 2                    | 22      |  |
|                               |                     |                 | Pole                  | -             | -             | -               | 32                | 5                        | 7                    | 44      |  |
|                               |                     |                 | Total                 | -             | -             | 3               | 43                | 11                       | 9                    | 66      |  |
| MH                            |                     | 28              | Sawt.                 | -             | -             | -               | -                 | 2                        | -                    | 2       |  |
|                               |                     |                 | Pole                  | -             | -             | -               | 3                 | 16                       | 1                    | 20      |  |
|                               |                     |                 | Total                 | -             | -             | -               | 3                 | 18                       | 1                    | 22      |  |
| L                             |                     | 1,187           | Sawt.                 | -             | 188           | 490             | -                 | -                        | 75                   | 753     |  |
|                               |                     |                 | Pole                  | -             | 77            | 297             | -                 | -                        | 852                  | 1,226   |  |
|                               |                     |                 | Total                 | -             | 265           | 787             | -                 | -                        | 927                  | 1,979   |  |
| TOTAL                         |                     | 19,017          | Sawt.                 | 154           | 713           | 3,664           | 85                | 8                        | 3,387                | 8,011   |  |
|                               |                     |                 | Pole                  | 127           | 689           | 2,013           | 143               | 187                      | 15,252               | 18,411  |  |
|                               |                     |                 | Total                 | 281           | 1,402         | 5,677           | 228               | 195                      | 18,639               | 26,422  |  |
| TOTAL<br>SAWTIMBER<br>& POLES |                     | 53,020          | Sawt.                 | 2,820         | 11,137        | 44,141          | 7,907             | 4,357                    | 7,902                | 78,264  |  |
|                               |                     |                 | Pole                  | 353           | 1,727         | 10,169          | 2,830             | 4,778                    | 25,909               | 45,766  |  |
|                               |                     |                 | Total                 | 3,173         | 12,864        | 54,310          | 10,737            | 9,135                    | 33,811               | 124,030 |  |



TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE, STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                  |              |                  |                 |                      |                         |                     |                       |                       |                          |
|-------------------------------|------------------|--------------|------------------|-----------------|----------------------|-------------------------|---------------------|-----------------------|-----------------------|--------------------------|
| Forest Type                   | Stand Size Class | Area (Acres) | Tree Size Class  | Species         |                      |                         |                     |                       |                       |                          |
|                               |                  |              |                  | White Pine      | Pond. Pine           | D. Fir Larch            | Sa.Fir Spruce       | Hem-Ced. Gd.Fir-Hdw.  | Lp.Pine Wb.Pine       | Total                    |
| M CUBIC FEET                  |                  |              |                  |                 |                      |                         |                     |                       |                       |                          |
| - OTHER PRIVATE -             |                  |              |                  |                 |                      |                         |                     |                       |                       |                          |
| DF                            | Sawtimber        | 4,731        | Sawt. Pole Total | 454<br>-<br>454 | 817<br>219<br>1,036  | 6,050<br>1,424<br>7,474 | 827<br>361<br>1,188 | 739<br>1,058<br>1,797 | 485<br>1,194<br>1,679 | 9,372<br>4,256<br>13,628 |
| PP                            |                  | 1,524        | Sawt. Pole Total | -<br>-<br>-     | 1,439<br>76<br>1,515 | 913<br>241<br>1,154     | -<br>15<br>15       | -<br>-<br>-           | 125<br>407<br>532     | 2,477<br>739<br>3,216    |
| LP                            |                  | 78           | Sawt. Pole Total | 1<br>8<br>9     | -<br>-<br>-          | 13<br>1<br>14           | 6<br>1<br>7         | 15<br>1<br>16         | 59<br>13<br>72        | 94<br>24<br>118          |
| GF                            |                  | 130          | Sawt. Pole Total | 62<br>5<br>67   | -<br>-<br>-          | 25<br>4<br>29           | 8<br>-<br>8         | 185<br>24<br>209      | 5<br>-<br>5           | 285<br>33<br>318         |
| S                             |                  | 85           | Sawt. Pole Total | -<br>-<br>-     | -<br>-<br>-          | -<br>-<br>-             | 215<br>27<br>242    | 1<br>-<br>1           | 1<br>-<br>1           | 217<br>27<br>244         |
| MH                            |                  | 15           | Sawt. Pole Total | -<br>-<br>-     | -<br>-<br>-          | -<br>-<br>-             | 2<br>2<br>4         | 3<br>2<br>5           | -<br>-<br>-           | 5<br>4<br>9              |
| L                             |                  | 2,469        | Sawt. Pole Total | 24<br>10<br>34  | 388<br>46<br>434     | 3,432<br>698<br>4,130   | 735<br>196<br>931   | 202<br>370<br>572     | 142<br>713<br>855     | 4,923<br>2,033<br>6,956  |

(continued next page)

TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                      |                 |                        |                        |                       |                           |                       |                          |                       |                           |                     |       |
|-------------------------------|----------------------|-----------------|------------------------|------------------------|-----------------------|---------------------------|-----------------------|--------------------------|-----------------------|---------------------------|---------------------|-------|
| Forest<br>Type                | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class  | Species                |                       |                           |                       |                          |                       |                           |                     | Total |
|                               |                      |                 |                        | White<br>Pine          | Pond.<br>Pine         | D. Fir<br>Larch           | Sa. Fir<br>Spruce     | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine  |                           |                     |       |
| M CUBIC FEET                  |                      |                 |                        |                        |                       |                           |                       |                          |                       |                           |                     |       |
| - OTHER PRIVATE, continued -  |                      |                 |                        |                        |                       |                           |                       |                          |                       |                           |                     |       |
| HD                            | Sawtimber<br>(cont.) | 103             | Sawt.<br>Pole<br>Total | -<br>-<br>-            | -<br>-<br>-           | -<br>-<br>-               | -<br>-<br>-           | 95<br>48<br>143          | 10<br>-<br>10         | 105<br>48<br>153          |                     |       |
| TOTAL                         |                      | 9,135           | Sawt.<br>Pole<br>Total | 541<br>23<br>564       | 2,644<br>341<br>2,985 | 10,433<br>2,368<br>12,801 | 1,793<br>602<br>2,395 | 1,240<br>1,503<br>2,743  | 827<br>2,327<br>3,154 | 17,478<br>7,164<br>24,642 |                     |       |
|                               | DF                   | Pole            | 1,641                  | Sawt.<br>Pole<br>Total | -<br>-<br>-           | 67<br>138<br>205          | 137<br>534<br>671     | 25<br>25<br>50           | -<br>-<br>-           | 24<br>184<br>208          | 253<br>881<br>1,134 |       |
|                               | PP                   | 100             | Sawt.<br>Pole<br>Total | -<br>-<br>-            | 10<br>22<br>32        | 2<br>4<br>6               | -<br>-<br>-           | -<br>-<br>-              | -<br>-<br>-           | 2<br>9<br>11              | 14<br>35<br>49      |       |
| LP                            |                      | 2,845           | Sawt.<br>Pole<br>Total | 49<br>17<br>66         | 40<br>2<br>42         | 398<br>202<br>600         | 13<br>25<br>38        | -<br>28<br>28            | 547<br>2,420<br>2,967 | 1,047<br>2,694<br>3,741   |                     |       |
| MH                            |                      | 106             | Sawt.<br>Pole<br>Total | -<br>-<br>-            | -<br>-<br>-           | -<br>-<br>-               | -<br>7<br>7           | 5<br>24<br>29            | -<br>2<br>2           | 5<br>33<br>38             |                     |       |

(continued next page)

TABLE 6a, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson River Working Circle |                     |                 |                       |               |               |                 |                   |                          |                      |        |       |  |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|-------|--|
| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        | Total |  |
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |        |       |  |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                   |                          |                      |        |       |  |
| - OTHER PRIVATE, continued -  |                     |                 |                       |               |               |                 |                   |                          |                      |        |       |  |
| L                             | Pole<br>(cont.)     | 566             | Sawt.                 | -             | 92            | 248             | -                 | -                        | 37                   | 377    |       |  |
|                               |                     |                 | Pole                  | -             | 8             | 146             | -                 | 481                      | 635                  |        |       |  |
|                               |                     |                 | Total                 | -             | 100           | 394             | -                 | 518                      | 1,012                |        |       |  |
| HD                            | 5                   |                 | Sawt.                 | -             | -             | -               | -                 | 1                        | -                    | 1      |       |  |
|                               |                     |                 | Pole                  | -             | -             | -               | -                 | 4                        | 4                    |        |       |  |
|                               |                     |                 | Total                 | -             | -             | -               | -                 | 5                        | 5                    |        |       |  |
| TOTAL                         | 5,263               |                 | Sawt.                 | 49            | 209           | 785             | 38                | 6                        | 610                  | 1,697  |       |  |
|                               |                     |                 | Pole                  | 17            | 170           | 886             | 57                | 56                       | 3,096                | 4,282  |       |  |
|                               |                     |                 | Total                 | 66            | 379           | 1,671           | 95                | 62                       | 3,706                | 5,979  |       |  |
| TOTAL<br>SAWTIMBER<br>& POLES | 14,398              |                 | Sawt.                 | 590           | 2,853         | 11,218          | 1,831             | 1,246                    | 1,437                | 19,175 |       |  |
|                               |                     |                 | Pole                  | 40            | 511           | 3,254           | 659               | 1,559                    | 5,423                | 11,446 |       |  |
|                               |                     |                 | Total                 | 630           | 3,364         | 14,472          | 2,490             | 2,805                    | 6,860                | 30,621 |       |  |

TABLE 6b - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE, STAND SIZE CLASS  
TREE SIZE AND SPECIES

| Plains Block        |                     |                 |                       |               |               |                 |                   |                          |                      |         |
|---------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|---------|
| Forest<br>Type      | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |         |
|                     |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total   |
| M CUBIC FEET        |                     |                 |                       |               |               |                 |                   |                          |                      |         |
| - NATIONAL FOREST - |                     |                 |                       |               |               |                 |                   |                          |                      |         |
| DF                  | Sawtimber           | 37,264          | Sawt.                 | 3,459         | 6,565         | 48,369          | 6,772             | 5,749                    | 3,879                | 74,793  |
|                     |                     |                 | Pole                  | -             | 1,685         | 11,154          | 2,834             | 8,002                    | 9,839                | 33,514  |
|                     |                     |                 | Total                 | 3,459         | 8,250         | 59,523          | 9,606             | 13,751                   | 13,718               | 108,307 |
| PP                  | 33,368              |                 | Sawt.                 | -             | 32,756        | 19,260          | -                 | -                        | 2,533                | 54,549  |
|                     |                     |                 | Pole                  | -             | 1,671         | 5,389           | 327               | -                        | 8,536                | 15,923  |
|                     |                     |                 | Total                 | -             | 34,427        | 24,649          | 327               | -                        | 11,069               | 70,472  |
| LP                  | 5,799               |                 | Sawt.                 | 84            | -             | 957             | 1,585             | 264                      | 6,000                | 8,890   |
|                     |                     |                 | Pole                  | 87            | -             | 40              | 881               | 39                       | 4,839                | 5,886   |
|                     |                     |                 | Total                 | 171           | -             | 997             | 2,466             | 303                      | 10,839               | 14,776  |
| WLP                 | 92                  |                 | Sawt.                 | 7             | -             | 15              | -                 | 55                       | 2                    | 79      |
|                     |                     |                 | Pole                  | 6             | -             | 9               | -                 | 12                       | -                    | 27      |
|                     |                     |                 | Total                 | 13            | -             | 24              | -                 | 67                       | 2                    | 106     |
| GF                  | 150                 |                 | Sawt.                 | 80            | -             | 35              | 15                | 236                      | 4                    | 370     |
|                     |                     |                 | Pole                  | 6             | -             | 3               | -                 | 34                       | -                    | 43      |
|                     |                     |                 | Total                 | 86            | -             | 38              | 15                | 270                      | 4                    | 413     |
| SaF                 | 904                 |                 | Sawt.                 | 7             | -             | -               | 1,084             | 244                      | 178                  | 1,513   |
|                     |                     |                 | Pole                  | -             | -             | -               | 73                | 45                       | 2                    | 120     |
|                     |                     |                 | Total                 | 7             | -             | -               | 1,157             | 289                      | 180                  | 1,633   |

(continued next page)



TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Plains Block                   |                      |                 |                       |               |               |                 |                   |                          |                      |       |       |  |
|--------------------------------|----------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|-------|-------|--|
| Forest<br>Type                 | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |       | Total |  |
|                                |                      |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |       |       |  |
| M CUBIC FEET                   |                      |                 |                       |               |               |                 |                   |                          |                      |       |       |  |
| - NATIONAL FOREST, continued - |                      |                 |                       |               |               |                 |                   |                          |                      |       |       |  |
| S                              | Sawtimber<br>(cont.) | 2,195           | Sawt.                 | 148           | -             | 20              | 5,128             | 349                      | 43                   | 5,688 |       |  |
|                                |                      |                 | Pole                  | 3             | -             | 596             | 335               | -                        | 934                  |       |       |  |
|                                |                      |                 | Total                 | 151           | -             | 20              | 5,724             | 684                      | 43                   | 6,622 |       |  |
| MH                             | 896                  | Sawt.           | -                     | -             | -             | 195             | 742               | -                        | -                    | 937   |       |  |
|                                |                      | Pole            | -                     | -             | -             | 92              | 103               | -                        | -                    | 195   |       |  |
|                                |                      | Total           | -                     | -             | -             | 287             | 845               | -                        | -                    | 1,132 |       |  |
| Ced.                           | 10                   | Sawt.           | -                     | -             | 2             | -               | 8                 | -                        | -                    | 10    |       |  |
|                                |                      | Pole            | -                     | -             | 1             | -               | 2                 | -                        | -                    | 3     |       |  |
|                                |                      | Total           | -                     | -             | 3             | -               | 10                | -                        | -                    | 13    |       |  |
| L                              | 51,776               | Sawt.           | 1,893                 | 8,026         | 78,340        | 16,347          | 5,583             | 5,160                    | 115,349              |       |       |  |
|                                |                      | Pole            | 150                   | 850           | 14,329        | 5,277           | 6,963             | 18,085                   | 45,654               |       |       |  |
|                                |                      | Total           | 2,043                 | 8,876         | 92,669        | 21,624          | 12,546            | 23,245                   | 161,003              |       |       |  |
| HD                             | 5                    | Sawt.           | -                     | -             | -             | -               | 10                | 1                        | 11                   |       |       |  |
|                                |                      | Pole            | -                     | -             | -             | -               | 3                 | -                        | 3                    |       |       |  |
|                                |                      | Total           | -                     | -             | -             | -               | 13                | 1                        | 14                   |       |       |  |
| TOTAL                          | 132,459              | Sawt.           | 5,678                 | 47,347        | 146,998       | 31,126          | 13,240            | 17,800                   | 262,189              |       |       |  |
|                                |                      | Pole            | 252                   | 4,206         | 30,925        | 10,080          | 15,538            | 41,301                   | 102,302              |       |       |  |
|                                |                      | Total           | 5,930                 | 51,553        | 177,923       | 41,206          | 28,778            | 59,101                   | 364,491              |       |       |  |
| DF                             | Pole                 | 6,732           | Sawt.                 | -             | 229           | 584             | 111               | -                        | 81                   | 1,005 |       |  |
|                                |                      |                 | Pole                  | -             | 480           | 2,234           | 110               | -                        | 727                  | 3,551 |       |  |
|                                |                      |                 | Total                 | -             | 709           | 2,818           | 221               | -                        | 808                  | 4,556 |       |  |

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Plains Block

| Forest<br>Type                 | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        | Total |
|--------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|-------|
|                                |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |        |       |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |                   |                          |                      |        |       |
| - NATIONAL FOREST, continued - |                     |                 |                       |               |               |                 |                   |                          |                      |        |       |
| PP                             | Pole<br>(cont.)     | 243             | Sawt.                 | -             | 65            | 2               | -                 | -                        | 9                    | 76     |       |
|                                |                     |                 | Pole                  | -             | 151           | 20              | -                 | -                        | 51                   | 222    |       |
|                                |                     |                 | Total                 | -             | 216           | 22              | -                 | -                        | 60                   | 298    |       |
| WP                             |                     | 25              | Sawt.                 | 12            | -             | 15              | 7                 | 21                       | 1                    | 56     |       |
|                                |                     |                 | Pole                  | 8             | -             | 6               | 3                 | 6                        | 5                    | 28     |       |
|                                |                     |                 | Total                 | 20            | -             | 21              | 10                | 27                       | 6                    | 84     |       |
| LP                             |                     | 66,079          | Sawt.                 | 761           | 1,001         | 10,200          | 191               | -                        | 13,211               | 25,364 |       |
|                                |                     |                 | Pole                  | 501           | 66            | 5,080           | 382               | 690                      | 57,330               | 64,049 |       |
|                                |                     |                 | Total                 | 1,262         | 1,067         | 15,280          | 573               | 690                      | 70,541               | 89,413 |       |
| SaF                            |                     | 354             | Sawt.                 | -             | -             | 24              | 90                | 2                        | 5                    | 121    |       |
|                                |                     |                 | Pole                  | -             | -             | -               | 154               | 2                        | 42                   | 198    |       |
|                                |                     |                 | Total                 | -             | -             | 24              | 244               | 4                        | 47                   | 319    |       |
| S                              |                     | 41              | Sawt.                 | -             | -             | -               | 13                | -                        | -                    | 13     |       |
|                                |                     |                 | Pole                  | -             | -             | -               | 15                | 7                        | -                    | 22     |       |
|                                |                     |                 | Total                 | -             | -             | -               | 28                | 7                        | -                    | 35     |       |
| MH                             |                     | 35              | Sawt.                 | -             | -             | -               | -                 | 2                        | -                    | 2      |       |
|                                |                     |                 | Pole                  | -             | -             | -               | 3                 | 15                       | 1                    | 19     |       |
|                                |                     |                 | Total                 | -             | -             | -               | 3                 | 17                       | 1                    | 21     |       |

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Plains Block                   |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
|--------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|---------|--|
| Forest<br>Type                 | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |         |  |
|                                |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total   |  |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
| - NATIONAL FOREST, continued - |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
| L                              | Pole<br>(cont.)     | 4,868           | Sawt.                 | -             | 868           | 1,812           | -                 | -                        | 338                  | 3,018   |  |
|                                |                     |                 | Pole                  | -             | 467           | 1,094           | -                 | -                        | 3,689                | 5,250   |  |
|                                |                     |                 | Total                 | -             | 1,335         | 2,906           | -                 | -                        | 4,027                | 8,268   |  |
| HD                             | 10                  |                 | Sawt.                 | -             | -             | -               | -                 | 2                        | -                    | 2       |  |
|                                |                     |                 | Pole                  | -             | -             | -               | -                 | 7                        | -                    | 7       |  |
|                                |                     |                 | Total                 | -             | -             | -               | -                 | 9                        | -                    | 9       |  |
| TOTAL                          |                     | 78,387          | Sawt.                 | 773           | 2,163         | 12,637          | 412               | 27                       | 13,645               | 29,657  |  |
|                                |                     |                 | Pole                  | 509           | 1,164         | 8,434           | 667               | 727                      | 61,845               | 73,346  |  |
|                                |                     |                 | Total                 | 1,282         | 3,327         | 21,071          | 1,079             | 754                      | 75,490               | 103,003 |  |
| TOTAL<br>SAWTIMBER<br>& POLES  |                     | 210,846         | Sawt.                 | 6,451         | 49,510        | 159,635         | 31,538            | 13,267                   | 31,445               | 291,846 |  |
|                                |                     |                 | Pole                  | 761           | 5,370         | 39,359          | 10,747            | 16,265                   | 103,146              | 175,648 |  |
|                                |                     |                 | Total                 | 7,212         | 54,880        | 198,994         | 42,285            | 29,532                   | 134,591              | 467,494 |  |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
| - OTHER PUBLIC -               |                     |                 |                       |               |               |                 |                   |                          |                      |         |  |
| DF                             | Sawtimber           | 1,491           | Sawt.                 | 200           | 192           | 1,571           | 131               | 260                      | 122                  | 2,476   |  |
|                                |                     |                 | Pole                  | -             | 97            | 472             | 111               | 476                      | 161                  | 1,317   |  |
|                                |                     |                 | Total                 | 200           | 289           | 2,043           | 242               | 736                      | 283                  | 3,793   |  |
| PP                             |                     | 666             | Sawt.                 | -             | 551           | 335             | -                 | -                        | 39                   | 925     |  |
|                                |                     |                 | Pole                  | -             | 29            | 126             | 4                 | -                        | 164                  | 323     |  |
|                                |                     |                 | Total                 | -             | 580           | 461             | 4                 | -                        | 203                  | 1,248   |  |

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Plains Block

| Forest<br>Type              | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |         |          |              |          |          |       |  |
|-----------------------------|----------------------|-----------------|-----------------------|---------------|---------------|-----------------|---------|----------|--------------|----------|----------|-------|--|
|                             |                      |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir | Hem-Ced. | Gd. Fir-Hdw. | Lp. Pine | Wb. Pine | Total |  |
| M CUBIC FEET                |                      |                 |                       |               |               |                 |         |          |              |          |          |       |  |
| - OTHER PUBLIC, continued - |                      |                 |                       |               |               |                 |         |          |              |          |          |       |  |
| LP                          | Sawtimber<br>(cont.) | 51              | Sawt.                 | -             | -             | -               | 17      | -        | -            | 65       | 82       |       |  |
|                             |                      |                 | Pole                  | -             | -             | 9               | 1       | 47       | 57           |          |          |       |  |
|                             |                      |                 | Total                 | -             | -             | 26              | 1       | 112      | 139          |          |          |       |  |
| GF                          |                      | 20              | Sawt.                 | 12            | -             | 4               | 2       | 33       | 1            | 52       |          |       |  |
|                             |                      |                 | Pole                  | 1             | -             | -               | -       | 4        | 5            |          |          |       |  |
|                             |                      |                 | Total                 | 13            | -             | 4               | 2       | 37       | 57           |          |          |       |  |
| L                           |                      | 988             | Sawt.                 | 48            | 140           | 1,538           | 324     | 115      | 113          | 2,278    |          |       |  |
|                             |                      |                 | Pole                  | 4             | 15            | 271             | 114     | 132      | 358          | 894      |          |       |  |
|                             |                      |                 | Total                 | 52            | 155           | 1,809           | 438     | 247      | 471          | 3,172    |          |       |  |
| TOTAL                       |                      | 3,216           | Sawt.                 | 260           | 883           | 3,448           | 474     | 408      | 340          | 5,813    |          |       |  |
|                             |                      |                 | Pole                  | 5             | 141           | 869             | 238     | 613      | 730          | 2,596    |          |       |  |
|                             |                      |                 | Total                 | 265           | 1,024         | 4,317           | 712     | 1,021    | 1,070        | 8,409    |          |       |  |
| DF                          | Pole                 | 219             | Sawt.                 | -             | 46            | 4               | 1       | -        | 17           | 68       |          |       |  |
|                             |                      |                 | Pole                  | -             | 97            | 27              | -       | 48       | 172          |          |          |       |  |
|                             |                      |                 | Total                 | -             | 143           | 31              | 1       | 65       | 240          |          |          |       |  |
| PP                          |                      | 5               | Sawt.                 | -             | -             | -               | -       | -        | -            | -        |          |       |  |
|                             |                      |                 | Pole                  | -             | 1             | -               | -       | -        | 1            |          |          |       |  |
|                             |                      |                 | Total                 | -             | 1             | -               | -       | -        | 1            |          |          |       |  |

(continued next page)



TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Plains Block

| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |  |  |  | Total |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|--|--|--|-------|
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |        |  |  |  |       |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                   |                          |                      |        |  |  |  |       |
| - OTHER PUBLIC, continued -   |                     |                 |                       |               |               |                 |                   |                          |                      |        |  |  |  |       |
| LP                            | Pole<br>(cont.)     | 1,526           | Sawt.                 | 12            | 25            | 269             | 3                 | -                        | 331                  | 640    |  |  |  |       |
|                               |                     |                 | Pole                  | 12            | -             | 116             | 6                 | 15                       | 1,427                | 1,576  |  |  |  |       |
|                               |                     |                 | Total                 | 24            | 25            | 385             | 9                 | 15                       | 1,758                | 2,216  |  |  |  |       |
| L                             | 84                  |                 | Sawt.                 | -             | 13            | 38              | -                 | -                        | 5                    | 56     |  |  |  |       |
|                               |                     |                 | Pole                  | -             | -             | 22              | -                 | -                        | 73                   | 95     |  |  |  |       |
|                               |                     |                 | Total                 | -             | 13            | 60              | -                 | -                        | 78                   | 151    |  |  |  |       |
| TOTAL                         |                     | 1,834           | Sawt.                 | 12            | 84            | 311             | 4                 | -                        | 353                  | 764    |  |  |  |       |
|                               |                     |                 | Pole                  | 12            | 98            | 165             | 6                 | 15                       | 1,548                | 1,844  |  |  |  |       |
|                               |                     |                 | Total                 | 24            | 182           | 476             | 10                | 15                       | 1,901                | 2,608  |  |  |  |       |
| TOTAL<br>SAWTIMBER<br>& POLES |                     | 5,050           | Sawt.                 | 272           | 967           | 3,759           | 478               | 408                      | 693                  | 6,577  |  |  |  |       |
|                               |                     |                 | Pole                  | 17            | 239           | 1,034           | 244               | 628                      | 2,278                | 4,440  |  |  |  |       |
|                               |                     |                 | Total                 | 289           | 1,206         | 4,793           | 722               | 1,036                    | 2,971                | 11,017 |  |  |  |       |

M CUBIC FEET

- LARGE PRIVATE -

|    |           |       |       |     |       |        |       |       |       |        |
|----|-----------|-------|-------|-----|-------|--------|-------|-------|-------|--------|
| DF | Sawtimber | 6,882 | Sawt. | 659 | 1,166 | 9,077  | 1,308 | 1,076 | 753   | 14,039 |
|    |           |       | Pole  | -   | 300   | 2,047  | 567   | 1,469 | 1,856 | 6,239  |
|    |           |       | Total | 659 | 1,466 | 11,124 | 1,875 | 2,545 | 2,609 | 20,278 |

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Plains Block                 |                      |                 |                       |               |               |                 |                   |                          |                      |        |
|------------------------------|----------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|
| Forest<br>Type               | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |
|                              |                      |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total  |
| M CUBIC FEET                 |                      |                 |                       |               |               |                 |                   |                          |                      |        |
| - LARGE PRIVATE, continued - |                      |                 |                       |               |               |                 |                   |                          |                      |        |
| PP                           | Sawtimber<br>(cont.) | 4,509           | Sawt.                 | -             | 5,182         | 3,023           | -                 | -                        | 442                  | 8,647  |
|                              |                      |                 | Pole                  | -             | 242           | 574             | 62                | -                        | 1,210                | 2,088  |
|                              |                      |                 | Total                 | -             | 5,424         | 3,597           | 62                | -                        | 1,652                | 10,735 |
| LP                           | 882                  |                 | Sawt.                 | 18            | -             | 206             | 216               | 58                       | 822                  | 1,320  |
|                              |                      |                 | Pole                  | 20            | -             | 9               | 128               | 6                        | 699                  | 862    |
|                              |                      |                 | Total                 | 38            | -             | 215             | 344               | 64                       | 1,521                | 2,182  |
| GF                           | 65                   |                 | Sawt.                 | 39            | -             | 13              | 5                 | 108                      | 3                    | 168    |
|                              |                      |                 | Pole                  | 2             | -             | -               | -                 | 13                       | -                    | 15     |
|                              |                      |                 | Total                 | 41            | -             | 13              | 5                 | 121                      | 3                    | 183    |
| S                            | 35                   |                 | Sawt.                 | -             | -             | -               | 84                | -                        | -                    | 84     |
|                              |                      |                 | Pole                  | -             | -             | -               | 11                | -                        | -                    | 11     |
|                              |                      |                 | Total                 | -             | -             | -               | 95                | -                        | -                    | 95     |
| MH                           | 13                   |                 | Sawt.                 | -             | -             | -               | 3                 | 15                       | -                    | 18     |
|                              |                      |                 | Pole                  | -             | -             | -               | 1                 | 1                        | -                    | 2      |
|                              |                      |                 | Total                 | -             | -             | -               | 4                 | 16                       | -                    | 20     |
| L                            | 9,664                |                 | Sawt.                 | 308           | 1,505         | 14,472          | 2,989             | 1,019                    | 919                  | 21,312 |
|                              |                      |                 | Pole                  | 26            | 169           | 2,691           | 907               | 1,274                    | 3,386                | 8,453  |
|                              |                      |                 | Total                 | 334           | 1,774         | 17,163          | 3,896             | 2,293                    | 4,305                | 29,765 |

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Plains Block                 |                      |                 |                        |                      |                       |                           |                         |                          |                           |                            |  |
|------------------------------|----------------------|-----------------|------------------------|----------------------|-----------------------|---------------------------|-------------------------|--------------------------|---------------------------|----------------------------|--|
| Forest<br>Type               | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class  | Species              |                       |                           |                         |                          |                           |                            |  |
|                              |                      |                 |                        | White<br>Pine        | Pond.<br>Pine         | D. Fir<br>Larch           | Sa. Fir<br>Spruce       | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine      | Total                      |  |
| M CUBIC FEET                 |                      |                 |                        |                      |                       |                           |                         |                          |                           |                            |  |
| - LARGE PRIVATE, continued - |                      |                 |                        |                      |                       |                           |                         |                          |                           |                            |  |
| TOTAL                        | Sawtimber<br>(cont.) | 22,050          | Sawt.<br>Pole<br>Total | 1,024<br>48<br>1,072 | 7,953<br>711<br>8,664 | 26,791<br>5,321<br>32,112 | 4,605<br>1,676<br>6,281 | 2,276<br>2,763<br>5,039  | 2,939<br>7,151<br>10,090  | 45,588<br>17,670<br>63,258 |  |
| DF                           | Pole                 | 987             | Sawt.<br>Pole<br>Total | -<br>-<br>-          | 123<br>258<br>381     | 60<br>224<br>284          | 9<br>8<br>17            | -<br>-<br>-              | 44<br>161<br>205          | 236<br>651<br>887          |  |
| PP                           |                      | 446             | Sawt.<br>Pole<br>Total | -<br>-<br>-          | 100<br>247<br>347     | 6<br>49<br>55             | -<br>-<br>-             | -<br>-<br>-              | 4<br>67<br>71             | 110<br>363<br>473          |  |
| LP                           |                      | 13,190          | Sawt.<br>Pole<br>Total | 141<br>107<br>248    | 215<br>7<br>222       | 2,624<br>980<br>3,604     | 36<br>69<br>105         | -<br>143<br>143          | 2,767<br>12,000<br>14,767 | 5,783<br>13,306<br>19,089  |  |
| SaF                          |                      | 16              | Sawt.<br>Pole<br>Total | -<br>-<br>-          | -<br>-<br>-           | 4<br>-<br>4               | 10<br>8<br>18           | -<br>-<br>-              | -<br>1<br>1               | 14<br>9<br>23              |  |
| L                            |                      | 890             | Sawt.<br>Pole<br>Total | -<br>-<br>-          | 138<br>67<br>205      | 364<br>224<br>588         | -<br>-<br>-             | -<br>-<br>-              | 55<br>605<br>660          | 557<br>896<br>1,453        |  |
| TOTAL                        |                      | 15,529          | Sawt.<br>Pole<br>Total | 141<br>107<br>248    | 576<br>579<br>1,155   | 3,058<br>1,477<br>4,535   | 55<br>85<br>140         | -<br>143<br>143          | 2,870<br>12,834<br>15,704 | 6,700<br>15,225<br>21,925  |  |

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Plains Block                  |                     |                 |               |               |                 |                   |                          |                      |        |        |  |
|-------------------------------|---------------------|-----------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|--------|--|
| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree          |               | Species         |                   |                          |                      |        |        |  |
|                               |                     |                 | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total  |        |  |
| M CUBIC FEET                  |                     |                 |               |               |                 |                   |                          |                      |        |        |  |
| - LARGE PRIVATE, continued -  |                     |                 |               |               |                 |                   |                          |                      |        |        |  |
| TOTAL<br>SAWTIMBER<br>& POLES |                     | 37,579          | Sawt.         | 1,165         | 8,529           | 29,849            | 4,660                    | 2,276                | 5,809  | 52,288 |  |
|                               |                     |                 | Pole          | 155           | 1,290           | 6,798             | 1,761                    | 2,906                | 19,985 | 32,895 |  |
|                               |                     |                 | Total         | 1,320         | 9,819           | 36,647            | 6,421                    | 5,182                | 25,794 | 85,183 |  |

| M CUBIC FEET      |           |       |                        |                 |                  |                       |                   |                   |                   |
|-------------------|-----------|-------|------------------------|-----------------|------------------|-----------------------|-------------------|-------------------|-------------------|
| - OTHER PRIVATE - |           |       |                        |                 |                  |                       |                   |                   |                   |
| DF                | Sawtimber | 1,287 | Sawt.<br>Pole<br>Total | 152<br>-<br>152 | 188<br>71<br>259 | 1,496<br>398<br>1,894 | 167<br>101<br>268 | 216<br>356<br>572 | 120<br>225<br>345 |
| PP                |           | 732   | Sawt.<br>Pole<br>Total | -<br>-<br>-     | 790<br>41<br>831 | 521<br>90<br>611      | -<br>11<br>11     | -<br>-<br>-       | 79<br>211<br>290  |
| LP                |           | 73    | Sawt.<br>Pole<br>Total | 1<br>7<br>8     | -<br>-<br>-      | 12<br>1<br>13         | 6<br>1<br>7       | 14<br>1<br>15     | 55<br>12<br>67    |
| MH                |           | 7     | Sawt.<br>Pole<br>Total | -<br>-<br>-     | -<br>-<br>-      | -<br>-<br>-           | 1<br>1<br>2       | -<br>1<br>1       | -<br>-<br>-       |
|                   |           |       |                        |                 |                  |                       |                   |                   | 1<br>2<br>3       |

(continued next page)



TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Forest<br>Type               | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |
|------------------------------|----------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|
|                              |                      |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total  |
| M CUBIC FEET                 |                      |                 |                       |               |               |                 |                   |                          |                      |        |
| - OTHER PRIVATE, continued - |                      |                 |                       |               |               |                 |                   |                          |                      |        |
| L                            | Sawtimber<br>(cont.) | 2,214           | Sawt.                 | 24            | 353           | 3,092           | 659               | 185                      | 133                  | 4,446  |
|                              |                      |                 | Pole                  | 9             | 42            | 626             | 176               | 329                      | 652                  | 1,834  |
|                              |                      |                 | Total                 | 33            | 395           | 3,718           | 835               | 514                      | 785                  | 6,280  |
| HD                           | 10                   |                 | Sawt.                 | -             | -             | -               | -                 | 10                       | 1                    | 11     |
|                              |                      |                 | Pole                  | -             | -             | -               | -                 | 5                        | -                    | 5      |
|                              |                      |                 | Total                 | -             | -             | -               | -                 | 15                       | 1                    | 16     |
| TOTAL                        | 4,323                |                 | Sawt.                 | 177           | 1,331         | 5,121           | 833               | 425                      | 388                  | 8,275  |
|                              |                      |                 | Pole                  | 16            | 154           | 1,115           | 290               | 692                      | 1,100                | 3,367  |
|                              |                      |                 | Total                 | 193           | 1,485         | 6,236           | 1,123             | 1,117                    | 1,488                | 11,642 |
| DF                           | Pole                 | 165             | Sawt.                 | -             | 11            | 10              | 1                 | -                        | 4                    | 26     |
|                              |                      |                 | Pole                  | -             | 22            | 53              | 1                 | -                        | 16                   | 92     |
|                              |                      |                 | Total                 | -             | 33            | 63              | 2                 | -                        | 20                   | 118    |
| PP                           | 85                   |                 | Sawt.                 | -             | 5             | 2               | -                 | -                        | -                    | 7      |
|                              |                      |                 | Pole                  | -             | 13            | 4               | -                 | -                        | 4                    | 21     |
|                              |                      |                 | Total                 | -             | 18            | 6               | -                 | -                        | 4                    | 28     |
| LP                           | 2,187                |                 | Sawt.                 | 38            | 30            | 304             | 10                | -                        | 419                  | 801    |
|                              |                      |                 | Pole                  | 14            | 2             | 156             | 20                | 23                       | 1,855                | 2,070  |
|                              |                      |                 | Total                 | 52            | 32            | 460             | 30                | 23                       | 2,274                | 2,871  |
| L                            | 251                  |                 | Sawt.                 | -             | 41            | 109             | -                 | -                        | 16                   | 166    |
|                              |                      |                 | Pole                  | -             | 5             | 64              | -                 | -                        | 211                  | 280    |
|                              |                      |                 | Total                 | -             | 46            | 173             | -                 | -                        | 227                  | 446    |

(continued next page)

(continued next page)

TABLE 6b, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |   |   |   | Total |   |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|---|---|---|-------|---|
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |        |   |   |   |       |   |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                   |                          |                      |        |   |   |   |       |   |
| - OTHER PRIVATE, continued -  |                     |                 |                       |               |               |                 |                   |                          |                      |        |   |   |   |       |   |
| HD                            | Pole<br>(cont.)     | 5               | Sawt.                 | -             | -             | -               | -                 | 1                        | -                    | -      | - | 1 | - | 1     |   |
|                               |                     |                 | Pole                  | -             | -             | -               | -                 | -                        | 4                    | -      | - | - | 4 | -     | 4 |
|                               |                     |                 | Total                 | -             | -             | -               | -                 | -                        | 5                    | -      | - | - | 5 | -     | 5 |
| TOTAL                         |                     | 2,693           | Sawt.                 | 38            | 87            | 425             | 11                | 1                        | 439                  | 1,001  |   |   |   |       |   |
|                               |                     |                 | Pole                  | 14            | 42            | 277             | 21                | 27                       | 2,086                | 2,467  |   |   |   |       |   |
|                               |                     |                 | Total                 | 52            | 129           | 702             | 32                | 28                       | 2,525                | 3,468  |   |   |   |       |   |
| TOTAL<br>SAWTIMBER<br>& POLES |                     | 7,016           | Sawt.                 | 215           | 1,418         | 5,546           | 844               | 426                      | 827                  | 9,276  |   |   |   |       |   |
|                               |                     |                 | Pole                  | 30            | 196           | 1,392           | 311               | 719                      | 3,186                | 5,834  |   |   |   |       |   |
|                               |                     |                 | Total                 | 245           | 1,614         | 6,938           | 1,155             | 1,145                    | 4,013                | 15,110 |   |   |   |       |   |

TABLE 6c - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE, STAND SIZE CLASS, TREE SIZE AND SPECIES

Thompson Falls Block

| Forest Type         | Stand Size Class | Area (Acres) | Tree Size Class | Species    |            |              |               |          |             |         |         |       |  |
|---------------------|------------------|--------------|-----------------|------------|------------|--------------|---------------|----------|-------------|---------|---------|-------|--|
|                     |                  |              |                 | White Pine | Pond. Pine | D. Fir Larch | Sa.Fir Spruce | Hem-Ced. | Gd.Fir-Hdw. | Lp.Pine | Wb.Pine | Total |  |
| M CUBIC FEET        |                  |              |                 |            |            |              |               |          |             |         |         |       |  |
| - NATIONAL FOREST - |                  |              |                 |            |            |              |               |          |             |         |         |       |  |
| DF                  | Sawtimber        | 71,518       | Sawt.           | 7,231      | 10,928     | 100,121      | 15,812        | 11,443   | 9,000       | 154,535 |         |       |  |
|                     |                  |              | Pole            | -          | 2,707      | 20,821       | 7,294         | 14,400   | 21,158      | 66,380  |         |       |  |
|                     |                  |              | Total           | 7,231      | 13,635     | 120,942      | 23,106        | 25,843   | 30,158      | 220,915 |         |       |  |
| PP                  | 13,067           |              | Sawt.           | -          | 10,803     | 6,172        | -             | -        | 669         | 17,644  |         |       |  |
|                     |                  |              | Pole            | -          | 595        | 2,575        | 70            | -        | 3,127       | 6,367   |         |       |  |
|                     |                  |              | Total           | -          | 11,398     | 8,747        | 70            | -        | 3,796       | 24,011  |         |       |  |
| WP                  | 2,310            |              | Sawt.           | 3,892      | 5          | 1,836        | 156           | 1,541    | 441         | 7,871   |         |       |  |
|                     |                  |              | Pole            | 578        | -          | 108          | 90            | 681      | 89          | 1,546   |         |       |  |
|                     |                  |              | Total           | 4,470      | 5          | 1,944        | 246           | 2,222    | 530         | 9,417   |         |       |  |
| LP                  | 8,532            |              | Sawt.           | 147        | -          | 1,692        | 2,262         | 433      | 8,474       | 13,008  |         |       |  |
|                     |                  |              | Pole            | 132        | -          | 73           | 1,302         | 54       | 7,136       | 8,697   |         |       |  |
|                     |                  |              | Total           | 279        | -          | 1,765        | 3,564         | 487      | 15,610      | 21,705  |         |       |  |
| GF                  | 1,502            |              | Sawt.           | 998        | -          | 473          | 210           | 2,880    | 24          | 4,585   |         |       |  |
|                     |                  |              | Pole            | 57         | -          | 15           | -             | 459      | -           | 531     |         |       |  |
|                     |                  |              | Total           | 1,055      | -          | 488          | 210           | 3,339    | 24          | 5,116   |         |       |  |
| SaF                 | 3,375            |              | Sawt.           | 27         | -          | -            | 4,004         | 928      | 619         | 5,578   |         |       |  |
|                     |                  |              | Pole            | -          | -          | -            | 268           | 156      | 8           | 432     |         |       |  |
|                     |                  |              | Total           | 27         | -          | -            | 4,272         | 1,084    | 627         | 6,010   |         |       |  |
| S                   | 8,288            |              | Sawt.           | 444        | -          | 78           | 19,014        | 1,085    | 165         | 20,786  |         |       |  |
|                     |                  |              | Pole            | 10         | -          | -            | 2,303         | 1,002    | -           | 3,315   |         |       |  |
|                     |                  |              | Total           | 454        | -          | 78           | 21,317        | 2,087    | 165         | 24,101  |         |       |  |

(continued next page)

TABLE 6c., continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Thompson Falls Block

| Forest<br>Type                 | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                  |                         |                    |         |  |  |  | Total |
|--------------------------------|----------------------|-----------------|-----------------------|---------------|---------------|-----------------|------------------|-------------------------|--------------------|---------|--|--|--|-------|
|                                |                      |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa.Fir<br>Spruce | Hem-Ced.<br>Gd.Fir-Hdw. | Lp.Pine<br>Wb.Pine |         |  |  |  |       |
| M CUBIC FEET                   |                      |                 |                       |               |               |                 |                  |                         |                    |         |  |  |  |       |
| - NATIONAL FOREST, continued - |                      |                 |                       |               |               |                 |                  |                         |                    |         |  |  |  |       |
| MH                             | Sawtimber<br>(cont.) | 5,707           | Sawt.                 | -             | -             | -               | 1,441            | 5,941                   | -                  | 7,382   |  |  |  |       |
|                                |                      |                 | Pole                  | -             | -             | -               | 684              | -                       | 1,329              |         |  |  |  |       |
|                                |                      |                 | Total                 | -             | -             | -               | 2,086            | 6,625                   | -                  | 8,711   |  |  |  |       |
| Ced.                           | 417                  |                 | Sawt.                 | 68            | -             | 180             | 43               | 1,149                   | -                  | 1,440   |  |  |  |       |
|                                |                      |                 | Pole                  | -             | -             | 3               | 263              | -                       | 266                |         |  |  |  |       |
|                                |                      |                 | Total                 | 68            | -             | 183             | 43               | 1,412                   | -                  | 1,706   |  |  |  |       |
| L                              | 24,469               |                 | Sawt.                 | 1,167         | 3,255         | 37,922          | 8,076            | 2,804                   | 2,730              | 55,954  |  |  |  |       |
|                                |                      |                 | Pole                  | 71            | 342           | 6,698           | 2,916            | 3,405                   | 8,575              | 22,007  |  |  |  |       |
|                                |                      |                 | Total                 | 1,238         | 3,597         | 44,620          | 10,992           | 6,209                   | 11,305             | 77,961  |  |  |  |       |
| HD                             | 160                  |                 | Sawt.                 | -             | -             | -               | -                | 140                     | 16                 | 156     |  |  |  |       |
|                                |                      |                 | Pole                  | -             | -             | -               | -                | 82                      | 3                  | 85      |  |  |  |       |
|                                |                      |                 | Total                 | -             | -             | -               | -                | 222                     | 19                 | 241     |  |  |  |       |
| TOTAL                          | 139,345              |                 | Sawt.                 | 13,974        | 24,991        | 148,474         | 51,018           | 28,344                  | 22,138             | 288,939 |  |  |  |       |
|                                |                      |                 | Pole                  | 848           | 3,644         | 30,293          | 14,888           | 21,186                  | 40,096             | 110,955 |  |  |  |       |
|                                |                      |                 | Total                 | 14,822        | 28,635        | 178,767         | 65,906           | 49,530                  | 62,234             | 339,894 |  |  |  |       |
| DF                             | Pole                 | 26,459          | Sawt.                 | -             | 1,118         | 2,089           | 380              | -                       | 398                | 3,985   |  |  |  |       |
|                                |                      |                 | Pole                  | -             | 2,343         | 8,643           | 377              | -                       | 2,824              | 14,187  |  |  |  |       |
|                                |                      |                 | Total                 | -             | 3,461         | 10,732          | 757              | -                       | 3,222              | 18,172  |  |  |  |       |

(continued next page)



TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson Falls Block           |                     |                 |                       |               |               |                 |                   |                          |                      |        |        |  |
|--------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|--------|--|
| Forest<br>Type                 | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |        |  |
|                                |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced,<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine | Total  |        |  |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |                   |                          |                      |        |        |  |
| - NATIONAL FOREST, continued - |                     |                 |                       |               |               |                 |                   |                          |                      |        |        |  |
| PP                             | Pole<br>(cont.)     | 50              | Sawt.                 | -             | 21            | -               | -                 | -                        | -                    | 2      | 23     |  |
|                                |                     |                 | Pole                  | -             | 50            | 7               | -                 | -                        | 16                   | 73     |        |  |
|                                |                     |                 | Total                 | -             | 71            | 7               | -                 | -                        | 18                   | 96     |        |  |
| LP                             |                     | 53,158          | Sawt.                 | 917           | 561           | 5,700           | 231               | -                        | -                    | 8,599  | 16,008 |  |
|                                |                     |                 | Pole                  | 283           | 138           | 4,414           | 462               | 511                      | 37,787               | 43,595 |        |  |
|                                |                     |                 | Total                 | 1,200         | 699           | 10,114          | 693               | 511                      | 46,386               | 59,603 |        |  |
| GF                             |                     | 55              | Sawt.                 | -             | -             | -               | -                 | 6                        | -                    | -      | 6      |  |
|                                |                     |                 | Pole                  | -             | -             | 3               | 6                 | 30                       | -                    | 3      | 42     |  |
|                                |                     |                 | Total                 | -             | -             | 3               | 6                 | 36                       | -                    | 3      | 48     |  |
| SaF                            |                     | 434             | Sawt.                 | -             | -             | 40              | 136               | 4                        | -                    | 6      | 186    |  |
|                                |                     |                 | Pole                  | -             | -             | -               | 199               | 4                        | -                    | 43     | 246    |  |
|                                |                     |                 | Total                 | -             | -             | 40              | 335               | 8                        | -                    | 49     | 432    |  |
| MH                             |                     | 442             | Sawt.                 | -             | -             | -               | -                 | 28                       | -                    | -      | 28     |  |
|                                |                     |                 | Pole                  | -             | -             | -               | 44                | 181                      | -                    | 15     | 240    |  |
|                                |                     |                 | Total                 | -             | -             | -               | 44                | 209                      | -                    | 15     | 268    |  |
| L                              |                     | 5,408           | Sawt.                 | -             | 954           | 2,107           | -                 | -                        | -                    | 373    | 3,434  |  |
|                                |                     |                 | Pole                  | -             | 429           | 1,240           | -                 | -                        | -                    | 4,241  | 5,910  |  |
|                                |                     |                 | Total                 | -             | 1,383         | 3,347           | -                 | -                        | -                    | 4,614  | 9,344  |  |
| TOTAL                          |                     | 86,006          | Sawt.                 | 917           | 2,654         | 9,936           | 747               | 38                       | -                    | 9,378  | 23,670 |  |
|                                |                     |                 | Pole                  | 283           | 2,960         | 14,307          | 1,088             | 726                      | -                    | 44,929 | 64,293 |  |
|                                |                     |                 | Total                 | 1,200         | 5,614         | 24,243          | 1,835             | 764                      | -                    | 54,307 | 87,963 |  |

(continued next page)

TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Thompson Falls Block

| Forest<br>Type                 | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |         | Total |
|--------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|---------|-------|
|                                |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |         |       |
| M CUBIC FEET                   |                     |                 |                       |               |               |                 |                   |                          |                      |         |       |
| - NATIONAL FOREST, continued - |                     |                 |                       |               |               |                 |                   |                          |                      |         |       |
| TOTAL<br>SAWTIMBER<br>& POLES  |                     | 225,351         | Sawt.                 | 14,891        | 27,645        | 158,410         | 51,765            | 28,382                   | 31,516               | 312,609 |       |
|                                |                     |                 | Pole                  | 1,131         | 6,604         | 44,600          | 15,976            | 21,912                   | 85,025               | 175,248 |       |
|                                |                     |                 | Total                 | 16,022        | 34,249        | 203,010         | 67,741            | 50,294                   | 116,541              | 487,857 |       |

M CUBIC FEET  
- OTHER PUBLIC -

|    |           |       |       |     |     |       |     |     |     |       |  |
|----|-----------|-------|-------|-----|-----|-------|-----|-----|-----|-------|--|
| DF | Sawtimber | 2,116 | Sawt. | 224 | 298 | 3,057 | 504 | 346 | 288 | 4,717 |  |
|    |           |       | Pole  | -   | 73  | 610   | 243 | 417 | 654 | 1,997 |  |
|    |           |       | Total | 224 | 371 | 3,667 | 747 | 763 | 942 | 6,714 |  |
| PP | 190       |       | Sawt. | -   | 173 | 109   | -   | -   | 14  | 296   |  |
|    |           |       | Pole  | -   | 10  | 33    | 2   | -   | 49  | 94    |  |
|    |           |       | Total | -   | 183 | 142   | 2   | -   | 63  | 390   |  |
| LP | 40        |       | Sawt. | 1   | -   | 6     | 3   | 7   | 30  | 47    |  |
|    |           |       | Pole  | 4   | -   | -     | -   | -   | 6   | 10    |  |
|    |           |       | Total | 5   | -   | 6     | 3   | 7   | 36  | 57    |  |

(continued next page)

TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson Falls Block        |                      |                 |                        |                 |                  |                       |                     |                          |                       |                          |       |  |
|-----------------------------|----------------------|-----------------|------------------------|-----------------|------------------|-----------------------|---------------------|--------------------------|-----------------------|--------------------------|-------|--|
| Forest<br>Type              | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class  | Species         |                  |                       |                     |                          |                       |                          | Total |  |
|                             |                      |                 |                        | White<br>Pine   | Pond.<br>Pine    | D. Fir<br>Larch       | Sa. Fir<br>Spruce   | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine  |                          |       |  |
| M CUBIC FEET                |                      |                 |                        |                 |                  |                       |                     |                          |                       |                          |       |  |
| - OTHER PUBLIC, continued - |                      |                 |                        |                 |                  |                       |                     |                          |                       |                          |       |  |
| GF                          | Sawtimber<br>(cont.) | 21              | Sawt.<br>Pole<br>Total | 17<br>1<br>18   | -<br>-<br>-      | 8<br>-<br>8           | 4<br>-<br>4         | 48<br>8<br>56            | -<br>-<br>-           | 77<br>9<br>86            |       |  |
| L                           |                      | 926             | Sawt.<br>Pole<br>Total | 45<br>2<br>47   | 107<br>10<br>117 | 1,427<br>253<br>1,680 | 311<br>116<br>427   | 103<br>136<br>239        | 100<br>307<br>407     | 2,093<br>824<br>2,917    |       |  |
| TOTAL                       |                      | 3,293           | Sawt.<br>Pole<br>Total | 287<br>7<br>294 | 578<br>93<br>671 | 4,607<br>896<br>5,503 | 822<br>361<br>1,183 | 504<br>561<br>1,065      | 432<br>1,016<br>1,448 | 7,230<br>2,934<br>10,164 |       |  |
| DF                          | Pole                 | 270             | Sawt.<br>Pole<br>Total | -<br>-<br>-     | -<br>-<br>-      | 28<br>99<br>127       | 5<br>4<br>9         | -<br>-<br>-              | -<br>24<br>24         | 33<br>127<br>160         |       |  |
| PP                          |                      | 10              | Sawt.<br>Pole<br>Total | -<br>-<br>-     | 5<br>12<br>17    | -<br>2<br>2           | -<br>-<br>-         | -<br>-<br>-              | -<br>3<br>3           | 5<br>17<br>22            |       |  |
| LP                          |                      | 340             | Sawt.<br>Pole<br>Total | 7<br>2<br>9     | 5<br>-<br>5      | 50<br>22<br>72        | 2<br>4<br>6         | -<br>3<br>3              | 69<br>308<br>377      | 133<br>339<br>472        |       |  |
| L                           |                      | 57              | Sawt.<br>Pole<br>Total | -<br>-<br>-     | 9<br>-<br>9      | 21<br>15<br>36        | -<br>-<br>-         | -<br>-<br>-              | 4<br>49<br>53         | 34<br>64<br>98           |       |  |

(continued next page)

TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Thompson Falls Block

| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |        |       |         |          |              |          |  |  | Total |  |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|--------|-------|---------|----------|--------------|----------|--|--|-------|--|
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir | Larch | Sa. Fir | Hem-Ced. | Gd. Fir-Hdw. | Wb. Pine |  |  |       |  |
| M CUBIC FEET                  |                     |                 |                       |               |               |        |       |         |          |              |          |  |  |       |  |
| - OTHER PUBLIC, continued -   |                     |                 |                       |               |               |        |       |         |          |              |          |  |  |       |  |
| TOTAL                         | Pole<br>(cont.)     | 677             | Sawt.                 | 7             | 19            | 99     | 7     | -       | 73       | 205          |          |  |  |       |  |
|                               |                     |                 | Pole                  | 2             | 12            | 138    | 8     | 3       | 384      | 547          |          |  |  |       |  |
|                               |                     |                 | Total                 | 9             | 31            | 237    | 15    | 3       | 457      | 752          |          |  |  |       |  |
| TOTAL<br>SAWTIMBER<br>& POLES |                     | 3,970           | Sawt.                 | 294           | 597           | 4,706  | 829   | 504     | 505      | 7,435        |          |  |  |       |  |
|                               |                     |                 | Pole                  | 9             | 105           | 1,034  | 369   | 564     | 1,400    | 3,481        |          |  |  |       |  |
|                               |                     |                 | Total                 | 303           | 702           | 5,740  | 1,198 | 1,068   | 1,905    | 10,916       |          |  |  |       |  |

M CUBIC FEET

- LARGE PRIVATE -

|    |           |       |     |       |       |  |       |       |  |       |  |  |  |  |  |  |        |
|----|-----------|-------|-----|-------|-------|--|-------|-------|--|-------|--|--|--|--|--|--|--------|
| DF | Sawtimber | 4,574 | 438 | 770   | 6,090 |  | 892   | 715   |  | 510   |  |  |  |  |  |  | 9,415  |
|    |           |       | -   | 196   | 1,359 |  | 389   | 965   |  | 1,255 |  |  |  |  |  |  | 4,164  |
|    |           |       | 438 | 966   | 7,449 |  | 1,281 | 1,680 |  | 1,765 |  |  |  |  |  |  | 13,579 |
| PP |           | 1,296 | -   | 1,008 | 598   |  | -     | -     |  | 63    |  |  |  |  |  |  | 1,669  |
|    |           |       | -   | 57    | 262   |  | 7     | -     |  | 314   |  |  |  |  |  |  | 640    |
|    |           |       | -   | 1,065 | 860   |  | 7     | -     |  | 377   |  |  |  |  |  |  | 2,309  |

(continued next page)



TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson Falls Block         |                      |                 |                        |                       |                       |                           |                         |                          |                         |  |                           |       |
|------------------------------|----------------------|-----------------|------------------------|-----------------------|-----------------------|---------------------------|-------------------------|--------------------------|-------------------------|--|---------------------------|-------|
| Forest<br>Type               | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class  | Species               |                       |                           |                         |                          |                         |  |                           | Total |
|                              |                      |                 |                        | White<br>Pine         | Pond.<br>Pine         | D. Fir<br>Larch           | Sa. Fir<br>Spruce       | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine    |  |                           |       |
| M CUBIC FEET                 |                      |                 |                        |                       |                       |                           |                         |                          |                         |  |                           |       |
| - LARGE PRIVATE, continued - |                      |                 |                        |                       |                       |                           |                         |                          |                         |  |                           |       |
| WP                           | Sawtimber<br>(cont.) | 597             | Sawt.<br>Pole<br>Total | 1,015<br>150<br>1,165 | 1<br>-<br>1           | 476<br>25<br>501          | 38<br>24<br>62          | 395<br>176<br>571        | 116<br>21<br>137        |  | 2,041<br>396<br>2,437     |       |
| LP                           |                      | 569             | Sawt.<br>Pole<br>Total | 16<br>15<br>31        | -<br>-<br>-           | 177<br>7<br>184           | 126<br>81<br>207        | 47<br>-<br>47            | 471<br>443<br>914       |  | 837<br>546<br>1,383       |       |
| SaF                          |                      | 53              | Sawt.<br>Pole<br>Total | -<br>-<br>-           | -<br>-<br>-           | -<br>-<br>-               | 60<br>3<br>63           | 13<br>2<br>15            | 11<br>-<br>11           |  | 84<br>5<br>89             |       |
| S                            |                      | 301             | Sawt.<br>Pole<br>Total | 39<br>1<br>40         | -<br>-<br>-           | 3<br>-<br>3               | 711<br>72<br>783        | 88<br>89<br>177          | 7<br>-<br>7             |  | 848<br>162<br>1,010       |       |
| MH                           |                      | 318             | Sawt.<br>Pole<br>Total | -<br>-<br>-           | -<br>-<br>-           | -<br>-<br>-               | 75<br>31<br>106         | 371<br>32<br>403         | -<br>-<br>-             |  | 446<br>63<br>509          |       |
| L                            |                      | 4,245           | Sawt.<br>Pole<br>Total | 134<br>12<br>146      | 692<br>74<br>766      | 6,342<br>1,182<br>7,524   | 1,315<br>404<br>1,719   | 444<br>564<br>1,008      | 398<br>1,473<br>1,871   |  | 9,325<br>3,709<br>13,034  |       |
| TOTAL                        |                      | 11,953          | Sawt.<br>Pole<br>Total | 1,642<br>178<br>1,820 | 2,471<br>327<br>2,798 | 13,686<br>2,835<br>16,521 | 3,217<br>1,011<br>4,228 | 2,073<br>1,828<br>3,901  | 1,576<br>3,506<br>5,082 |  | 24,665<br>9,685<br>34,350 |       |

(continued next page)

TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson Falls Block         |                     |                 |                        |                |                 |                   |                   |                          |                       |                       |                       |
|------------------------------|---------------------|-----------------|------------------------|----------------|-----------------|-------------------|-------------------|--------------------------|-----------------------|-----------------------|-----------------------|
| Forest<br>Type               | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class  | Species        |                 |                   |                   |                          |                       |                       |                       |
|                              |                     |                 |                        | White<br>Pine  | Pond.<br>Pine   | D. Fir<br>Larch   | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine  | Total                 |                       |
| M CUBIC FEET                 |                     |                 |                        |                |                 |                   |                   |                          |                       |                       |                       |
| - LARGE PRIVATE, continued - |                     |                 |                        |                |                 |                   |                   |                          |                       |                       |                       |
| DF                           | Pole                | 945             | Sawt.<br>Pole<br>Total | -<br>-<br>-    | 41<br>86<br>127 | 82<br>301<br>383  | 16<br>17<br>33    | -<br>-<br>-              | 15<br>112<br>127      | 154<br>516<br>670     |                       |
| PP                           | 23                  |                 | Sawt.<br>Pole<br>Total | -<br>-<br>-    | 7<br>14<br>21   | -<br>-<br>-       | -<br>-<br>-       | -<br>-<br>-              | 2<br>7<br>9           | 9<br>21<br>30         |                       |
| LP                           | 2,153               |                 | Sawt.<br>Pole<br>Total | 13<br>20<br>33 | 39<br>-<br>39   | 395<br>162<br>557 | 3<br>6<br>9       | -<br>23<br>23            | 478<br>2,044<br>2,522 | 928<br>2,255<br>3,183 |                       |
| S                            | 42                  |                 | Sawt.<br>Pole<br>Total | -<br>-<br>-    | -<br>-<br>-     | 3<br>-<br>3       | 11<br>32<br>43    | 6<br>5<br>11             | 2<br>7<br>9           | 22<br>44<br>66        |                       |
| MH                           | 28                  |                 | Sawt.<br>Pole<br>Total | -<br>-<br>-    | -<br>-<br>-     | -<br>-<br>-       | -<br>3<br>3       | 2<br>16<br>18            | -<br>1<br>1           | 2<br>20<br>22         |                       |
| L                            | 297                 |                 | Sawt.<br>Pole<br>Total | -<br>-<br>-    | 50<br>10<br>60  | 126<br>73<br>199  | -<br>-<br>-       | -<br>-<br>-              | 20<br>247<br>267      | 196<br>330<br>526     |                       |
|                              |                     |                 |                        |                |                 |                   |                   |                          |                       |                       | (continued next page) |

(continued next page)

TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

| Thompson Falls Block          |                     |                 |                       |               |               |                 |                  |                         |                    |        |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|------------------|-------------------------|--------------------|--------|
| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                  |                         |                    |        |
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa.Fir<br>Spruce | Hem-Ced.<br>Gd.Fir-Hdw. | Lp.Pine<br>Wb.Pine | Total  |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                  |                         |                    |        |
| - LARGE PRIVATE, continued -  |                     |                 |                       |               |               |                 |                  |                         |                    |        |
| TOTAL                         | Pole<br>(cont.)     | 3,488           | Sawt.                 | 13            | 137           | 606             | 30               | 8                       | 517                | 1,311  |
|                               |                     |                 | Pole                  | 20            | 110           | 536             | 44               | 2,418                   | 3,186              |        |
|                               |                     |                 | Total                 | 33            | 247           | 1,142           | 88               | 52                      | 2,935              | 4,497  |
| TOTAL<br>SAWTIMBER<br>& POLES |                     | 15,441          | Sawt.                 | 1,655         | 2,608         | 14,292          | 3,247            | 2,081                   | 2,093              | 25,976 |
|                               |                     |                 | Pole                  | 198           | 437           | 3,371           | 1,069            | 1,872                   | 5,924              | 12,871 |
|                               |                     |                 | Total                 | 1,853         | 3,045         | 17,663          | 4,316            | 3,953                   | 8,017              | 38,847 |
| M CUBIC FEET                  |                     |                 |                       |               |               |                 |                  |                         |                    |        |
| - OTHER PRIVATE -             |                     |                 |                       |               |               |                 |                  |                         |                    |        |
| DF                            | Sawtimber           | 3,444           | Sawt.                 | 302           | 629           | 4,554           | 660              | 523                     | 365                | 7,033  |
|                               |                     |                 | Pole                  | -             | 148           | 1,026           | 260              | 702                     | 969                | 3,105  |
|                               |                     |                 | Total                 | 302           | 777           | 5,580           | 920              | 1,225                   | 1,334              | 10,138 |
| PP                            |                     | 792             | Sawt.                 | -             | 649           | 392             | -                | -                       | 46                 | 1,087  |
|                               |                     |                 | Pole                  | -             | 35            | 151             | 4                | -                       | 196                | 386    |
|                               |                     |                 | Total                 | -             | 684           | 543             | 4                | -                       | 242                | 1,473  |
| LP                            |                     | 5               | Sawt.                 | -             | -             | 1               | -                | 1                       | 4                  | 6      |
|                               |                     |                 | Pole                  | 1             | -             | -               | -                | -                       | 1                  | 2      |
|                               |                     |                 | Total                 | 1             | -             | 1               | -                | 1                       | 5                  | 8      |

(continued next page)

(continued next page)

TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Thompson Falls Block

| Forest<br>Type               | Stand<br>Size Class  | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        |  |  |  | Total |
|------------------------------|----------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|--|--|--|-------|
|                              |                      |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |        |  |  |  |       |
| M CUBIC FEET                 |                      |                 |                       |               |               |                 |                   |                          |                      |        |  |  |  |       |
| - OTHER PRIVATE, continued - |                      |                 |                       |               |               |                 |                   |                          |                      |        |  |  |  |       |
| GF                           | Sawtimber<br>(cont.) | 130             | Sawt.                 | 62            | -             | 25              | 8                 | 185                      | 5                    | 285    |  |  |  |       |
|                              |                      |                 | Pole                  | 5             | -             | 4               | -                 | 24                       | -                    | 33     |  |  |  |       |
|                              |                      |                 | Total                 | 67            | -             | 29              | 8                 | 209                      | 5                    | 318    |  |  |  |       |
| S                            | 85                   |                 | Sawt.                 | -             | -             | -               | 215               | 1                        | 1                    | 217    |  |  |  |       |
|                              |                      |                 | Pole                  | -             | -             | -               | 27                | -                        | -                    | 27     |  |  |  |       |
|                              |                      |                 | Total                 | -             | -             | -               | 242               | 1                        | 1                    | 244    |  |  |  |       |
| MH                           | 8                    |                 | Sawt.                 | -             | -             | -               | 1                 | 3                        | -                    | 4      |  |  |  |       |
|                              |                      |                 | Pole                  | -             | -             | -               | 1                 | 1                        | -                    | 2      |  |  |  |       |
|                              |                      |                 | Total                 | -             | -             | -               | 2                 | 4                        | -                    | 6      |  |  |  |       |
| L                            | 255                  |                 | Sawt.                 | -             | 35            | 340             | 76                | 17                       | 9                    | 477    |  |  |  |       |
|                              |                      |                 | Pole                  | 1             | 4             | 72              | 20                | 41                       | 61                   | 199    |  |  |  |       |
|                              |                      |                 | Total                 | 1             | 39            | 412             | 96                | 58                       | 70                   | 676    |  |  |  |       |
| HD                           | 93                   |                 | Sawt.                 | -             | -             | -               | -                 | 85                       | 9                    | 94     |  |  |  |       |
|                              |                      |                 | Pole                  | -             | -             | -               | -                 | 43                       | -                    | 43     |  |  |  |       |
|                              |                      |                 | Total                 | -             | -             | -               | -                 | 128                      | 9                    | 137    |  |  |  |       |
| TOTAL                        | 4,812                |                 | Sawt.                 | 364           | 1,313         | 5,312           | 960               | 815                      | 439                  | 9,203  |  |  |  |       |
|                              |                      |                 | Pole                  | 7             | 187           | 1,253           | 312               | 814                      | 1,227                | 3,797  |  |  |  |       |
|                              |                      |                 | Total                 | 371           | 1,500         | 6,565           | 1,272             | 1,629                    | 1,666                | 13,000 |  |  |  |       |

(continued next page)



TABLE 6c, continued - NET PARTIAL CUBIC CONTENTS OF GROWING STOCK BY OWNERSHIP, FOREST TYPE,  
STAND SIZE CLASS, TREE SIZE AND SPECIES

Thompson Falls Block

| Forest<br>Type                | Stand<br>Size Class | Area<br>(Acres) | Tree<br>Size<br>Class | Species       |               |                 |                   |                          |                      |        | Total |
|-------------------------------|---------------------|-----------------|-----------------------|---------------|---------------|-----------------|-------------------|--------------------------|----------------------|--------|-------|
|                               |                     |                 |                       | White<br>Pine | Pond.<br>Pine | D. Fir<br>Larch | Sa. Fir<br>Spruce | Hem-Ced.<br>Gd. Fir-Hdw. | Lp. Pine<br>Wb. Pine |        |       |
|                               |                     |                 |                       | M CUBIC FEET  |               |                 |                   |                          |                      |        |       |
| - OTHER PRIVATE, continued -  |                     |                 |                       |               |               |                 |                   |                          |                      |        |       |
| DF                            | Pole                | 1,476           | Sawt.                 | -             | 56            | 127             | 24                | -                        | 20                   | 227    |       |
|                               |                     |                 | Pole                  | -             | 116           | 481             | 24                | -                        | 168                  | 789    |       |
|                               |                     |                 | Total                 | -             | 172           | 608             | 48                | -                        | 188                  | 1,016  |       |
| PP                            | 15                  |                 | Sawt.                 | -             | 5             | -               | -                 | -                        | 2                    | 7      |       |
|                               |                     |                 | Pole                  | -             | 9             | -               | -                 | -                        | 5                    | 14     |       |
|                               |                     |                 | Total                 | -             | 14            | -               | -                 | -                        | 7                    | 21     |       |
| LP                            | 658                 |                 | Sawt.                 | 11            | 10            | 94              | 3                 | -                        | 128                  | 246    |       |
|                               |                     |                 | Pole                  | 3             | -             | 46              | 5                 | 5                        | 565                  | 624    |       |
|                               |                     |                 | Total                 | 14            | 10            | 140             | 8                 | 5                        | 693                  | 870    |       |
| MH                            | 106                 |                 | Sawt.                 | -             | -             | -               | -                 | 5                        | -                    | 5      |       |
|                               |                     |                 | Pole                  | -             | -             | -               | 7                 | 24                       | 2                    | 33     |       |
|                               |                     |                 | Total                 | -             | -             | -               | 7                 | 29                       | 2                    | 38     |       |
| L                             | 315                 |                 | Sawt.                 | -             | 51            | 139             | -                 | -                        | 21                   | 211    |       |
|                               |                     |                 | Pole                  | -             | 3             | 82              | -                 | -                        | 270                  | 355    |       |
|                               |                     |                 | Total                 | -             | 54            | 221             | -                 | -                        | 291                  | 566    |       |
| TOTAL                         | 2,570               |                 | Sawt.                 | 11            | 122           | 360             | 27                | 5                        | 171                  | 696    |       |
|                               |                     |                 | Pole                  | 3             | 128           | 609             | 36                | 29                       | 1,010                | 1,815  |       |
|                               |                     |                 | Total                 | 14            | 250           | 969             | 63                | 34                       | 1,181                | 2,511  |       |
| TOTAL<br>SAWTIMBER<br>& POLES | 7,382               |                 | Sawt.                 | 375           | 1,435         | 5,672           | 987               | 817                      | 610                  | 9,896  |       |
|                               |                     |                 | Pole                  | 10            | 315           | 1,862           | 348               | 840                      | 2,237                | 5,612  |       |
|                               |                     |                 | Total                 | 385           | 1,750         | 7,534           | 1,335             | 1,657                    | 2,847                | 15,508 |       |

TABLE 7 - PERIODIC ANNUAL GROWTH OF SAWTIMBER AND OTHER PRODUCTS (1955-1959 incl.) 1/

| National Forest Lands |                                     |                 |             |               |                           |              |             |             |                       |               |               |             |         |         |         |
|-----------------------|-------------------------------------|-----------------|-------------|---------------|---------------------------|--------------|-------------|-------------|-----------------------|---------------|---------------|-------------|---------|---------|---------|
| Forest Type           | Commercial Forest Area 9 & 8 Strata | Gross PAG /Acre | Mort. /Acre | Net PAG /Acre | Percent of Vol. Sawtbr. % | Net PAG/Acre |             |             | Cu.ft.- Bd.ft. Ratios | Net PAG /Acre | Total Net PAG |             |         |         |         |
|                       |                                     |                 |             |               |                           | Saw- tbr.    | Other Prod. | - cu. ft. - |                       |               | Saw- tbr.     | Other Prod. | M cu ft | M cu ft | M cu ft |
|                       |                                     |                 |             |               |                           |              |             |             |                       |               |               |             |         |         |         |
| --Acres               | --                                  | --              | cu. ft.     | --            | --                        | --           | cu. ft.     | --          | --                    | --            | bd.ft.        | M bd ft     | M cu ft |         |         |
| PP                    | 46,728                              | 37.4            | 11.4        | 26.0          | 76.4                      | 19.8         | 6.2         | 5.0         | 99                    | 99            | 4,626         | 290         | 533     |         |         |
| L                     | 86,521                              | 49.9            | 9.4         | 40.5          | 69.3                      | 28.0         | 12.5        | 4.9         | 137                   | 137           | 11,853        | 1,082       | 813     |         |         |
| DF                    | 141,973                             | 61.2            | 6.8         | 54.4          | 66.7                      | 36.2         | 18.2        | 4.9         | 177                   | 177           | 25,129        | 2,584       | 965     |         |         |
| MH-S                  |                                     |                 |             |               |                           |              |             |             |                       |               |               |             |         |         |         |
| SaF                   | 22,671                              | 31.0            | 3.0         | 28.0          | 85.9                      | 24.9         | 3.1         | 4.9         | 122                   | 122           | 2,766         | 70          | 68      |         |         |
| WP-Hem.               |                                     |                 |             |               |                           |              |             |             |                       |               |               |             |         |         |         |
| Gd.Fir-               |                                     |                 |             |               |                           |              |             |             |                       |               |               |             |         |         |         |
| Ced.                  | 4,644                               | 50.0            | ---         | 50.0          | 85.2                      | 42.5         | 7.5         | 4.9         | 208                   | 208           | 966           | 35          | --      |         |         |
| LP                    | 133,660                             | 46.7            | 2.9         | 43.8          | 34.1                      | 14.9         | 28.9        | 4.7         | 70                    | 70            | 9,356         | 3,863       | 388     |         |         |
| TOTAL                 | 436,197                             |                 |             |               |                           |              |             |             |                       |               | 54,696        | 7,924       | 2,767   |         |         |

1/ From inventory data collected in 1958 and 1959

**TABLE 8 - POTENTIAL (NORMAL & REALIZABLE) MEAN ANNUAL GROWTH AND GROWING STOCK OF SAWTIMBER**  
(Scribner Log Rule)

| National Forest Lands           |                          |                                                                     |                 |        |                            |                     |       |                          |                   |        |
|---------------------------------|--------------------------|---------------------------------------------------------------------|-----------------|--------|----------------------------|---------------------|-------|--------------------------|-------------------|--------|
| Forest Type<br>and Rotation     | Average<br>Site<br>Class | Commercial<br>Forest Area<br>Incl. Non-Stocked<br>- - - acres - - - | Normal MAG      |        | Realizable<br>(70% Normal) |                     |       | Average<br>Stocking<br>% | Actual MAG        |        |
|                                 |                          |                                                                     | /Acre           | Total  | MAG                        | Gr. Stock           | /Acre |                          | Total             |        |
|                                 |                          |                                                                     |                 |        |                            |                     |       |                          |                   | bd.ft. |
| PP (140)                        | V                        | 51,157                                                              | $\frac{1}{123}$ | 6,292  | $\frac{2}{4,404}$          | $\frac{3}{154,140}$ | 35.1  | $\frac{4}{43}$           | $\frac{5}{2,200}$ |        |
| L (140)                         | III-IV                   | 86,731                                                              | 150             | 13,010 | 9,107                      | 318,745             | 58.0  | 87                       | 7,545             |        |
| DF (150)                        | III-IV                   | 152,726                                                             | 154             | 23,520 | 16,464                     | 617,400             | 57.0  | 88                       | 12,512            |        |
| MH-S<br>SaFir (140)             | IV                       | 24,906                                                              | 160             | 3,985  | 2,790                      | 97,650              | 44.9  | 72                       | 1,639             |        |
| WP-Ced.<br>Gd.Fir<br>Hdw. (120) | III                      | 4,644                                                               | 283             | 1,314  | 920                        | 27,600              | 74.4  | 210                      | 975               |        |
| WLP-LP (120)                    | III-IV                   | 141,406                                                             | 70              | 9,898  | 6,929                      | 207,870             | 68.7  | 48                       | 6,695             |        |
| TOTAL                           |                          | 461,570                                                             |                 | 58,019 | 40,614                     | 1,423,405           |       |                          | 31,566            |        |

- 1/ From "Tables of Yield and Mean Annual Increment of Fully Stocked Stands in Major Forest Types in Region One
- 2/ 70% of Normal Growth
- 3/ Realizable MAG x  $\frac{R}{4}$
- 4/ Normal Growth Adjusted for Present Stocking
- 5/ For Stocked Area Only

**TABLE 9 - INDICATED ALLOWABLE ANNUAL CUT IN AREA AND VOLUME OF  
SAWTIMBER FROM NATIONAL FOREST LANDS BY KEMP FORMULA**

$$AC = \frac{(7A_m + 5A_p + 3A_s + A_r) V_m}{4R}$$

AC = Allowable annual cut

Am = Area of sawtimber stands

Ap = Area of pole stands

As = Area of seedling and sapling stands

Ar = Area restocking or that will be restocked

4 = Number of stand size classes

R = Rotation in years

Vm = Average volume per acre of sawtimber stands (Am Stratum)

| <u>Type and Rotation</u>                                                            | <u>Annual<br/>Cutting Area</u><br>- acres - | <u>Vm</u><br>bd.ft. M | <u>Allowable<br/>Annual<br/>Cut</u><br>bd.ft. |
|-------------------------------------------------------------------------------------|---------------------------------------------|-----------------------|-----------------------------------------------|
| <u>PP (140)</u>                                                                     |                                             |                       |                                               |
| AC = $\frac{7(46435) + 5(293) + 3(35) + (1000)}{4 \times 140} =$                    | 585 x                                       | $\frac{2}{7},698 =$   | 4,503                                         |
| <u>Larch (140)</u>                                                                  |                                             |                       |                                               |
| AC = $\frac{7(76245) + 5(10276) + 3(210) + 0}{4 \times 140} =$                      | 1046 x                                      | 11,029 =              | 11,536                                        |
| <u>DF (150)</u>                                                                     |                                             |                       |                                               |
| AC = $\frac{7(108782) + 5(33191) + 3(216) + (4215)}{4 \times 150} =$                | 1554 x                                      | 10,339 =              | 16,067                                        |
| <u>WP - Gd.Fir - Ced. (120)</u>                                                     |                                             |                       |                                               |
| AC = $\frac{7(4554) + 5(90) + 3(0) + 0}{4 \times 120} =$                            | 67 x                                        | 15,553 =              | 1,042                                         |
| <u>S - SaF - MH (140)</u>                                                           |                                             |                       |                                               |
| AC = $\frac{7(21365) + 5(1306) + 3(106) + (2129)}{4 \times 140} =$                  | 283 x                                       | 9,705 =               | 2,747                                         |
| <u>LP - WLP (120) (<math>\frac{1}{2}</math> total area productive of sawtimber)</u> |                                             |                       |                                               |
| AC = $\frac{7(14473) + 5(52407) + 3(2912) + (913)}{4 \times 120} =$                 | 776 x                                       | 7,285 =               | 5,653                                         |
| <b>TOTALS</b>                                                                       | <b>4311</b>                                 |                       | <b>41,548</b>                                 |

1/ See table 2.

2/ See appendix table 59.



TABLE 9a - ALLOWABLE ANNUAL CUT BY TYPES AND SPECIES OF SAWTIMBER FROM HARVEST CUTTINGS  
ON NATIONAL FOREST LANDS

| Forest<br>Types | Annual<br>Cutting<br>Area | Species |       |       |        |       |       |        |       | Hem.  |        | Total |
|-----------------|---------------------------|---------|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|
|                 |                           | WP      | PP    | L     | D.Fir  | S     | SaF   | Gd.Fir | LPP   | Cedar |        |       |
| PP              | 585                       | -       | 2,745 | 447   | 1,121  | -     | -     | -      | 190   | -     | 4,503  |       |
| L               | 1,046                     | 202     | 866   | 3,232 | 4,554  | 549   | 1,065 | 367    | 534   | 167   | 11,536 |       |
| DF              | 1,554                     | 747     | 1,317 | 3,263 | 7,095  | 1,232 | 381   | 905    | 877   | 250   | 16,067 |       |
| WP-Ced-GF       | 67                        | 375     | -     | 99    | 86     | 27    | 5     | 282    | 33    | 135   | 1,042  |       |
| S-SaF-MH        | 283                       | 41      | -     | 1     | 9      | 1,090 | 954   | 73     | 63    | 516   | 2,747  |       |
| LPP             | 776                       | 178     | 145   | 724   | 971    | 209   | 189   | 30     | 3,175 | 32    | 5,653  |       |
| Total           | 4,311                     | 1,543   | 5,073 | 7,766 | 13,836 | 3,107 | 2,594 | 1,657  | 4,872 | 1,100 | 41,548 |       |

TABLE 10 - INDICATED ALLOWABLE ANNUAL CUT OF OTHER PRODUCTS BY KEMP FORMULA FROM HARVEST  
CUTTINGS ON NATIONAL FOREST LANDS

| Sawtimber<br>Producing Types | Annual<br>Cutting Area<br>- Acres - | Volume/acre<br>Other Products<br>- cu. ft. - | Annual Allowable Cut<br>Other Products |                   |
|------------------------------|-------------------------------------|----------------------------------------------|----------------------------------------|-------------------|
|                              |                                     |                                              | M cu. ft. or                           | Cords             |
| PP                           | 585                                 | x                                            | =                                      | 280.8 or 3,120    |
| L                            | 1,046                               | x                                            | =                                      | 927.8 or 10,308   |
| DF                           | 1,554                               | x                                            | =                                      | 1,426.5 or 15,848 |
| WP, GD.Fir, Ced., H.         | 67                                  | x                                            | =                                      | 36.5 or 405       |
| S, SaF, MH                   | 283                                 | x                                            | =                                      | 83.8 or 931       |
| LPP, WLP, (½ total area)     | 776                                 | x                                            | =                                      | 786.1 or 8,734    |
| Subtotal                     | 4,311                               | 1,013                                        | =                                      | 3,541.5 or 39,346 |

1/ 90 cubic feet per cord

Pole Producing Types

LPP, WLP, (½ total area)

$$AC = \frac{5(66830) + 3(2912) + (913)}{3 \times 100} = \frac{1146}{1146} \times 903 = 1034.8 \text{ MCF or } 11,497 \text{ cords}$$

Other Product Totals

Annual Cutting Area  
5457 acres

M cu. ft. or Cords  
4576.3 or 50,843

**TABLE 11 - INDICATED ALLOWABLE ANNUAL CUT OF SAWTIMBER AND OTHER  
PRODUCTS BY VON MANTEL FORMULA FROM NATIONAL FOREST LANDS**

**Thompson River Working Circle**

**Von Mantel Formula**

$$AC = \frac{2 \text{ Ga}}{R}$$

AC = Allowable annual cut

Ga = Volume of actual growing stock

R = Rotation

Type and  
Rotation

**Allowable Annual Cut**

Sawtimber

Other Products

|                    |                                                          |                                                   |
|--------------------|----------------------------------------------------------|---------------------------------------------------|
| PP (140)           | AC = $\frac{2(94877)}{140} = 1355.4$ M cu.ft. (Total)    |                                                   |
|                    | $1355.4 \times \frac{1}{.764} = 1035.5$ M cu.ft. (Sawt.) | 319.9 M cu. ft. or<br>3554 cords                  |
|                    | $1035.5 \times \frac{2}{4.95} = 5125$ M bd. ft.          |                                                   |
| L (140)            | AC = $\frac{2(256576)}{140} = 3665.4$ M cu.ft. (Total)   |                                                   |
|                    | $3665.4 \times \frac{1}{.717} = 2628.1$ M cu.ft. (Sawt.) | 1037.3 M cu. ft. or<br>11,525 cords               |
|                    | $2628.1 \times \frac{2}{4.91} = 12,904$ M bd. ft.        |                                                   |
| DF (150)           | AC = $\frac{2(351950)}{150} = 4692.7$ M cu.ft. (Total)   |                                                   |
|                    | $4692.7 \times \frac{1}{.697} = 3270.8$ M cu.ft. (Sawt.) | 1421.7 M cu. ft. or<br>15,796 cords               |
|                    | $3270.8 \times \frac{2}{4.90} = 16,027$ M bd. ft.        |                                                   |
| S (140)            | AC = $\frac{2(49284)}{140} = 704.0$ M cu.ft. (Total)     |                                                   |
|                    | $704.0 \times \frac{1}{.869} = 611.8$ M cu.ft. (Sawt.)   | 92.2 M cu. ft. or<br>1024 cords                   |
|                    | $611.8 \times \frac{2}{4.95} = 3028$ M bd. ft.           |                                                   |
| WP-C (120)<br>GF-H | AC = $\frac{2(17061)}{120} = 284.3$ M cu.ft. (Total)     |                                                   |
|                    | $284.3 \times \frac{1}{.854} = 242.8$ M cu.ft. (Sawt.)   | 41.5 M cu. ft. or<br>461 cords                    |
|                    | $242.8 \times \frac{2}{4.90} = 1190$ M bd. ft.           |                                                   |
| LPP (120)<br>WLP   | AC = $\frac{2(185603)}{120} = 3093.4$ M cu.ft. (Total)   |                                                   |
|                    | $3093.4 \times \frac{1}{.600} = 1856.0$ M cu.ft. (Sawt.) | 1237.4 M cu. ft. or<br>13,749 cords               |
|                    | $1856 \times \frac{2}{4.79} = 8890$ M bd. ft.            |                                                   |
| Totals             | <u>47,164 M bd. ft.</u>                                  | <u>4150.0 M cu. ft. or</u><br><u>46,109 cords</u> |

1/ Percent sawtimber of total cubic contents in sawtimber strata

2/ Cubic foot - board foot converting factors

**TABLE 12 - INDICATED ALLOWABLE ANNUAL CUT OF SAWTIMBER BY THE AUSTRIAN FORMULA ON NATIONAL FOREST LANDS**

Austrian Formula  

$$AC = \frac{I + Ga - GR}{R}$$

AC = Allowable annual cut  
 I = Increment  
 Ga = Actual growing stock volume  
 GR = Realizable growing stock volume  
 R = Rotation age or adjustment period

| <u>Forest Type and Rotation</u> |       |                                                                   |   | <u>Allowable Annual Cut</u><br><u>M bd. ft.</u> |
|---------------------------------|-------|-------------------------------------------------------------------|---|-------------------------------------------------|
| PP                              | (140) | $AC = \frac{1/}{2,200} + \frac{2/}{357,946} - \frac{3/}{154,140}$ | = | 3,656                                           |
| L                               | (140) | $AC = 7,545 + \frac{872,572 - 318,745}{140}$                      | = | 11,501                                          |
| DF                              | (150) | $AC = 12,512 + \frac{1,149,278 - 617,400}{150}$                   | = | 16,058                                          |
| WP,GF,Ced.<br>Hdw.              | (120) | $AC = 975 + \frac{71,140 - 27,600}{120}$                          | = | 1,338                                           |
| S,SaF,<br>MH                    | (140) | $AC = 1,639 + \frac{209,103 - 97,650}{140}$                       | = | 2,435                                           |
| LP<br>WLP                       | (120) | $AC = 6,695 + \frac{303,719 - 207,870}{120}$                      | = | 7,494                                           |
| TOTAL                           |       |                                                                   |   | 42,482<br>M bd. ft.                             |

- 1/ See appendix table 8.  
2/ See table 4b  
3/ See appendix table 8.

**TABLE 13 - INDICATED ALLOWABLE ANNUAL CUT OF SAWTIMBER BY HANZLIK  
FORMULA ON NATIONAL FOREST LANDS**

**Hanzlik Formula**

$$AC = \frac{Vm}{R} + I$$

AC = Allowable annual cut  
Vm = Volume over rotation age  
I = Mean annual growth  
R = Rotation age

| <u>Forest Type<br/>and Rotation</u> |       |                                     |   |  | <u>Allowable Cut<br/>Sawtimber</u><br>M bd. ft. |
|-------------------------------------|-------|-------------------------------------|---|--|-------------------------------------------------|
| PP                                  | (140) | $AC = \frac{239,800}{140} + 2,200$  | = |  | 3,912                                           |
| L                                   | (140) | $AC = \frac{471,200}{140} + 7,545$  | = |  | 10,911                                          |
| DF                                  | (150) | $AC = \frac{508,000}{150} + 12,512$ | = |  | 15,899                                          |
| WP,GF,<br>Ced.,<br>Hdw.             | (120) | $AC = \frac{48,500}{120} + 975$     | = |  | 1,379                                           |
| S,SaF,<br>MH                        | (140) | $AC = \frac{112,900}{140} + 1,639$  | = |  | 2,445                                           |
| LP,<br>WLP                          | (120) | $AC = \frac{200,400}{120} + 6,695$  | = |  | 8,365                                           |
| TOTAL                               |       |                                     |   |  | 42,911<br>M bd. ft.                             |

**VOLUME OF GROWING STOCK (SAWTIMBER) OVER ROTATION AGE  
(For Use in Hanzlik Formula)**

| Forest<br>Type | <u>Commercial Forest Area</u> |              | % over<br>Rot.Age | <u>Total Volume Sawt.</u> |              |
|----------------|-------------------------------|--------------|-------------------|---------------------------|--------------|
|                | 9 & 8 Strata                  | Over Rot.Age |                   | Growing Stock             | Over Rot.Age |
|                | - - - - - acres               | - - - - -    | - - % - -         | - - - - - MM bd. ft.      | - - - - -    |
| PP             | 46,728                        | 31,308       | 67.0              | 357.9                     | 239.8        |
| L              | 86,521                        | 46,722       | 54.0              | 872.6                     | 471.2        |
| DF             | 141.973                       | 61,757       | 44.2              | 1,149.3                   | 508.0        |
| S,SaF,MH       | 22,671                        | 12,244       | 54.0              | 209.1                     | 112.9        |
| WP,GF,Ced.     | 4,644                         | 3,159        | 68.2              | 71.1                      | 48.5         |
| LP,WLP         | 133,660                       | 88,216       | 66.0              | 303.7                     | 200.4        |
| Total          | 436,197                       |              |                   | 2,963.7                   | 1,580.8      |



TABLE 14 - TABULAR CHECK OF GROWING STOCK AGAINST ALLOWABLE ANNUAL CUT OF 42 MM BOARD FEET

Rotation 140 Years

| Current Age Class | Ave. Cutting Age | Area Acres | Periodic & Mean Annual Increment | Board Feet | Net. Vol. per Acre at Ave. Cutting Age | Total Volume to Cut Millions | Years to Cut         |                  | Area Cut per Year Acres |
|-------------------|------------------|------------|----------------------------------|------------|----------------------------------------|------------------------------|----------------------|------------------|-------------------------|
|                   |                  |            |                                  |            |                                        |                              | Each Age Class Years | Cumulative Years |                         |
| Years             | Years            | Acres      |                                  |            |                                        | Millions                     | Years                | Years            | Acres                   |
| 200+              |                  | 107,832    | PAG 125                          | Gr         | - 1875                                 | 202.2                        | 30                   | 30               | 3,595                   |
|                   | 228              |            |                                  | Res        | - 9957                                 | 1073.6                       |                      |                  |                         |
| 190               | 220 - 236        | 46,765     | PAG 125                          | Gr         | - 4750                                 | 222.1                        | 16                   | 46               | 2,920                   |
|                   | 222              |            |                                  | Res        | - 9957                                 | 465.6                        |                      |                  |                         |
| 170               | 216 - 228        | 29,703     | PAG 125                          | Gr         | - 6500                                 | 193.1                        | 12                   | 58               | 2,475                   |
|                   | 213              |            |                                  | Res        | - 9957                                 | 295.7                        |                      |                  |                         |
| 150               | 208 - 218        | 22,159     | PAG 125                          | Gr         | - 7875                                 | 174.5                        | 10                   | 68               | 2,215                   |
|                   | 203              |            |                                  | Res        | - 9957                                 | 220.6                        |                      |                  |                         |
| 130               | 198 - 209        | 23,916     | PAG 125                          | Gr         | - 9250                                 | 221.2                        | 11                   | 79               | 2,175                   |
|                   | 193              |            |                                  | Res        | - 9957                                 | 238.1                        |                      |                  |                         |
| 110               | 189 - 197        | 18,909     | PAG 125                          | Gr         | - 10375                                | 196.2                        | 8                    | 87               | 2,370                   |
|                   | 182              |            |                                  | Res        | - 7040                                 | 133.2                        |                      |                  |                         |
| 90                | 177 - 188        | 34,517     | PAG 125                          | Gr         | - 11625                                | 401.3                        | 11                   | 98               | 3,130                   |
|                   | 177              |            |                                  | Res        | - 1566                                 | 54.1                         |                      |                  |                         |
| 70                | 168 - 186        | 50,036     | PAG 125                          | Gr         | - 13375                                | 669.2                        | 18                   | 116              | 2,780                   |
|                   | 171              |            |                                  | Res        | - 1566                                 | 78.4                         |                      |                  |                         |
| 50                | 166 - 177        | 27,000     | PAG 125                          | Gr         | - 15250                                | 411.7                        | 11                   | 127              | 2,450                   |
|                   | 158              |            |                                  | Res        | - 1566                                 | 42.3                         |                      |                  |                         |
| 30                | 157 - 160        | 8,530      | MAG 126                          | Gr         | - 16254                                | 138.6                        | 4                    | 131              | 2,130                   |
|                   | 140              |            |                                  | Res        | -                                      | -                            |                      |                  |                         |
| 10                | 140 - 141        | 3,479      | MAG 126                          | Gr         | - 16506                                | 57.4                         | 1                    | 132              | 3,479                   |
|                   | 137              |            |                                  | Res        | -                                      | -                            |                      |                  |                         |
| Restock           | 135 - 139        | 8,257      | MAG 126                          | Gr         | - 16758                                | 138.4                        | 3                    | 135              | 2,750                   |
| Total             |                  | 381,103    |                                  |            |                                        | 5627.5                       |                      | 135              |                         |

**TABLE 15 - INDICATED ALLOWABLE ANNUAL CUT AVAILABLE FROM INTERMEDIATE CUTTINGS ON NATIONAL FOREST LAND**

| Well Stocked<br>Strata | AREA THAT MAY BE CUT ANNUALLY |                               |                                             |                                               |
|------------------------|-------------------------------|-------------------------------|---------------------------------------------|-----------------------------------------------|
|                        | Commercial<br>Forest<br>Area  | Portion Under<br>Rotation Age | Area Subject to<br>Intermediate<br>Cuttings | Area That May<br>be Cut <u>1/</u><br>Annually |
|                        | - Acres -                     | - % -                         | - Acres -                                   | - Acres -                                     |
| <u>Sawtimber</u>       |                               |                               |                                             |                                               |
| P9W                    | 1,184                         | 33                            | 391                                         | 20                                            |
| L9W                    | 21,845                        | 38                            | 8,301                                       | 415                                           |
| D9W                    | 29,993                        | 43                            | 12,897                                      | 645                                           |
| WP,GF,C9W              | 3,197                         | 29                            | 927                                         | 46                                            |
| S,SaF,MH9W             | 2,989                         | 43                            | 1,285                                       | 64                                            |
| LP9W                   | 4,697                         | 0                             | 0                                           | 0                                             |
| <u>Pole Timber</u>     |                               |                               |                                             |                                               |
| P8W                    | 114                           | 100                           | 114                                         | 6                                             |
| L8W                    | 8,720                         | 100                           | 8,720                                       | 436                                           |
| D8W                    | 24,462                        | 100                           | 24,462                                      | 1,223                                         |
| WP,GF,C8W              | 35                            | 100                           | 35                                          | 2                                             |
| S,SaF,MH8W             | 180                           | 100                           | 180                                         | 9                                             |
| LP8W                   | <u>77,943</u>                 | 38                            | <u>29,618</u>                               | <u>1,481</u>                                  |
| Total                  | 175,359                       |                               | 86,930                                      | 4,347                                         |

| Well Stocked<br>Strata | VOLUMES PER ACRE AVAILABLE FROM CUTTING AREAS |        |               |                    |                 |          |
|------------------------|-----------------------------------------------|--------|---------------|--------------------|-----------------|----------|
|                        | Volume/acre                                   |        | Recommended   | Volume of Cut Area |                 |          |
|                        | Sawtimber                                     | Other  | Cut <u>2/</u> | Sawtimber          | Other           | Products |
|                        | M bd. ft.                                     | cu.ft. | %             | M bd. ft.          | cu.ft. or cords |          |
| <u>Sawtimber</u>       |                                               |        |               |                    |                 |          |
| P9W                    | 15.5                                          | 150    | 25            | 3.9                | 38              | .4       |
| L9W                    | 14.4                                          | 1,070  | 25            | 3.6                | 268             | 3.0      |
| D9W                    | 14.4                                          | 1,070  | 25            | 3.6                | 268             | 3.0      |
| WP,GF,C9W              | 17.5                                          | 578    | 25            | 4.4                | 144             | 1.6      |
| S,SaF,MH9W             | 17.6                                          | 728    | 25            | 4.4                | 182             | 2.0      |
| LP9W                   | 7.4                                           | 1,220  | 25            | 1.8                | 305             | 3.4      |
| <u>Pole Timber</u>     |                                               |        |               |                    |                 |          |
| P8W                    | 2.5                                           | 1,670  | 25            | .6                 | 418             | 4.6      |
| L8W                    | 3.3                                           | 1,120  | 25            | .8                 | 280             | 3.2      |
| D8W                    | .6                                            | 480    | 25            | .2                 | 120             | 1.3      |
| WP,GF,C8W              | 8.0                                           | 965    | 25            | 2.0                | 241             | 2.7      |
| S,SaF,MH8W             | .9                                            | 810    | 25            | .2                 | 202             | 2.2      |
| LP8W                   | 2.2                                           | 1,090  | 25            | .5                 | 272             | 3.0      |

(continued next page)

1/ Presumed cutting cycle - 20 years

2/ In accordance with field experience in well-stocked stands

TABLE 15, continued - INDICATED ALLOWABLE ANNUAL CUT AVAILABLE FROM  
INTERMEDIATE CUTTINGS ON NATIONAL FOREST LAND

| Well Stocked<br>Stands | Area to Cut | Volumes    | Other        |    | Products    |
|------------------------|-------------|------------|--------------|----|-------------|
|                        | Annually    | Sawtimber  | M cu.ft.     | or | cords       |
|                        | - Acres -   | M. bd. ft. |              |    |             |
| <u>Sawtimber</u>       |             |            |              |    |             |
| P9W                    | 20          | 78         | .7           |    | 8           |
| L9W                    | 415         | 1494       | 111.2        |    | 1245        |
| D9W                    | 645         | 2322       | 172.8        |    | 1935        |
| WP,GF,G9W              | 46          | 202        | 6.6          |    | 74          |
| S,SaF,MH9W             | 64          | 282        | 11.6         |    | 128         |
| LP9W                   | 0           | -          | -            |    | -           |
| <u>Pole Timber</u>     |             |            |              |    |             |
| P8W                    | 6           | 4          | 2.5          |    | 17          |
| L8W                    | 436         | 349        | 122.1        |    | 1395        |
| D8W                    | 1223        | 245        | 146.7        |    | 1590        |
| WP,GF,G8W              | 2           | 4          | .5           |    | 5           |
| S,SaF,MH8W             | 9           | 2          | 1.8          |    | 20          |
| LP8W                   | <u>1481</u> | <u>740</u> | <u>402.8</u> |    | <u>4443</u> |
| Total                  | 4347        | 5722       | 979.3        |    | 10,860      |

Apportionment of Cut by Blocks

|                | - Acres - | M. bd. ft. | M cu.ft. | cords |
|----------------|-----------|------------|----------|-------|
| <u>Block</u>   |           |            |          |       |
| Plains         | 2100      | 2760       | 472.0    | 525.0 |
| Thompson Falls | 2247      | 2962       | 507.3    | 561.0 |

TABLE 16 - AVERAGE ANNUAL RATES OF GROWTH AND MORTALITY AS DETERMINED  
FROM 1958 & 1959 INVENTORY GROWTH SAMPLES ON NATIONAL FOREST LANDS

| <u>Strata Sampled</u> | <u>Growth</u><br>cu.ft./acre/yr. | <u>Mortality</u><br>cu.ft./acre/yr. |
|-----------------------|----------------------------------|-------------------------------------|
| P9M                   | 36                               | 0                                   |
| P9P                   | 38                               | 16                                  |
| L9W                   | 62                               | 4                                   |
| L9M                   | 43                               | 10                                  |
| L9P                   | 48                               | 14                                  |
| D9W                   | 68                               | 10                                  |
| D9M                   | 58                               | 8                                   |
| D9P                   | 61                               | 4                                   |
| D8W                   | 33                               | 3                                   |
| S-AF9M                | 31                               | 3                                   |
| LP8 & 9W              | 51                               | 3                                   |
| LP8M                  | 52                               | 4                                   |
| LP8P                  | 24                               | 1                                   |



TABLE 17 - WORKING CIRCLE CONTROL RECORD SUMMARY

## PLAINS BLOCK

| Fiscal Year | Product | Regulated Cut |                          |                    |                       | Nonregulated Cut         |                        |                |
|-------------|---------|---------------|--------------------------|--------------------|-----------------------|--------------------------|------------------------|----------------|
|             |         | Allowable Cut | Cumulative Allowable Cut | Actual Annual Cut  | Cumulative Annual Cut | Status of Cumulative Cut | Adjusted Allowable Cut | Cumulative Cut |
| 1957        | 11" +   | 20.0          | 20.0                     | 3.4                | 3.4                   | MM Board Feet<br>-16.6   | 25.0 <sup>2/</sup>     | ---            |
|             | 11" -   | 4.6           | 4.6                      | 0                  | 0                     |                          |                        |                |
| 1958        | 11" +   | 20.0          | 40.0                     | 5.9                | 9.3                   | -30.7                    | 25.0                   | ---            |
|             | 11" -   | 4.6           | 9.2                      | 0.1                | 0.1                   |                          |                        |                |
| 1959        | 11" +   | 20.0          | 60.0                     | 16.9               | 26.2                  | -33.8                    | 25.0                   | ---            |
|             | 11" -   | 4.6           | 13.8                     | 0                  | 0.1                   |                          |                        |                |
| 1960        | 11" +   | 20.0          | 80.0                     | 28.2               | 54.4                  | -25.6                    | 25.0                   | ---            |
|             | 11" -   | 4.6           | 18.4                     | 0                  | 0.1                   |                          |                        |                |
| 1961        | 11" +   | 20.0          | 100.0                    | 16.9 <sup>1/</sup> | 71.3                  | -28.7                    | 25.0                   | ---            |
|             | 11" -   | 4.6           | 23.0                     | 0.1                | 0.2                   |                          |                        |                |

<sup>1/</sup> Actual cut 7/1/60 to 12/31/60 plus estimated cut 1/1/61 to 6/30/61<sup>2/</sup> Cannot exceed allowable annual cut by more than 25 percent

TABLE 17a - PROPOSED CUT AND SELL PLANS  
(Reference FSH 2412.5)

Forest: Lolo  
Working Circle: Thompson River

District: Plains  
Date: January 1, 1961

| Compartment No. | Name of Sale            | In millions of board feet |     |         |     |         |     |         |     |         |      |         |     |
|-----------------|-------------------------|---------------------------|-----|---------|-----|---------|-----|---------|-----|---------|------|---------|-----|
|                 |                         | Last Half FY 1961         |     | FY 1962 |     | FY 1963 |     | FY 1964 |     | FY 1965 |      | FY 1966 |     |
|                 |                         | Sell                      | Cut | Sell    | Cut | Sell    | Cut | Sell    | Cut | Sell    | Cut  | Sell    | Cut |
| 830             | Sheep Gap               | 5.2                       |     |         | 4.0 |         | 1.2 |         |     |         |      |         |     |
| 826-827         | Pat's Knob *            | 7.0                       |     |         | 2.0 |         | 3.0 |         | 2.0 |         |      |         |     |
| 828             | Arvilla Peak            | 9.0                       |     |         | 3.0 |         | 5.0 |         | 1.0 |         |      |         |     |
| 820             | Henry Creek *           |                           |     | 4.0     |     |         |     |         | 3.0 |         | 1.0  |         |     |
| 834             | Cow Camp                |                           |     | 6.0     |     |         | 2.0 |         | 4.0 |         |      |         |     |
| 801             | Whitney Creek           |                           |     | 5.00    |     |         | 1.0 |         | 3.0 |         | 1.00 |         |     |
| 803             | Beartrap Creek          |                           |     |         |     | 6.0     |     |         | 2.0 |         | 4.0  |         |     |
| 804             | Richard's Peak          |                           |     |         |     |         |     | 1.5     |     |         | 1.5  |         |     |
| 828             | East Fork of Swamp Crk. |                           |     |         |     | 4.0     |     |         |     |         | 3.0  |         | 1.0 |
| 832             | Spring Creek            |                           |     |         |     |         |     | 4.0     |     |         | 2.0  |         | 2.0 |
| 814             | Alder Creek             |                           |     |         |     |         |     | 4.0     |     |         | 2.0  |         | 2.0 |
| 802             | West Mantrap Creek      |                           |     |         |     |         |     | 4.0     |     |         | 1.0  |         | 3.0 |
| 817             | Foolhen Creek           |                           |     |         |     |         |     |         |     | 4.0     |      |         | 3.0 |
| 825             | Fourteen Mile Creek     |                           |     |         |     |         |     |         |     | 5.0     |      |         | 1.0 |

\* Possible road rights-of-way problems

(Continued on next page)

Appendix table 17a (continued)

## PLAINS DISTRICT

| Compartment No. | Name of Sale                   | In millions of board feet |     |         |      |         |      |         |      |         |      |         |      |
|-----------------|--------------------------------|---------------------------|-----|---------|------|---------|------|---------|------|---------|------|---------|------|
|                 |                                | Last Half FY 1961         |     | FY 1962 |      | FY 1963 |      | FY 1964 |      | FY 1965 |      | FY 1966 |      |
|                 |                                | Sell                      | Cut | Sell    | Cut  | Sell    | Cut  | Sell    | Cut  | Sell    | Cut  | Sell    | Cut  |
| 804             | Little Creek                   |                           |     |         |      |         |      |         |      | 3.0     |      |         | 2.0  |
| 816             | Corona Creek                   |                           |     |         |      |         |      |         |      | 2.0     |      |         | 2.0  |
| 813             | North Fork of Little Thompson  |                           |     |         |      |         |      |         |      |         |      | 7.0     |      |
| 815             | Nancy Creek                    |                           |     |         |      |         |      |         |      |         |      | 5.0     |      |
| 824             | Cascade Creek                  |                           |     |         |      |         |      |         |      |         |      | 4.0     |      |
|                 | Small Sales - \$301 to \$2,000 |                           |     | 1.8     | 1.8  | 1.8     | 1.8  |         |      | 3.5     | 3.5  | 3.5     | 3.5  |
|                 | Small Sales - Under \$300      |                           |     | .2      | .2   | .2      | .2   |         |      | .5      | .5   | .5      | .5   |
| Totals          |                                | 21.2                      |     | 17.0    | 11.0 | 12.0    | 14.2 | 13.5    | 15.0 | 18.0    | 19.5 | 20.0    | 20.0 |

TABLE 17b - TIMBER ACCESS ROADS - DETAILS BY PROJECTS  
(Reference FSH 2412.5)

Forest: Lolo

Working circle: Thompson River

District: Plains

Date: 1/ 1/61

| Com-part-ment No. | Name of Sale  | Road Proj-ect No. | Kind of Work Planned | Planned FY 1962 |                      |          | Proposed FY 1963 |                      |          | Proposed FY 1964 |                      |          | Road Survey  |                    |
|-------------------|---------------|-------------------|----------------------|-----------------|----------------------|----------|------------------|----------------------|----------|------------------|----------------------|----------|--------------|--------------------|
|                   |               |                   |                      | Miles           | Estimated Cost (M\$) |          | Miles            | Estimated Cost (M\$) |          | Miles            | Estimated Cost (M\$) |          | Type Planned | Date of Completion |
|                   |               |                   |                      |                 | Govt.                | Operator |                  | Govt.                | Operator |                  | Govt.                | Operator |              |                    |
| 830               | Sheep Gap     | 217               | R                    | 1.6             |                      | 6.4      |                  |                      |          |                  |                      | I        | 1            | Done               |
|                   |               | 7581              | C                    | 0.5             |                      | 3.0      |                  |                      |          |                  |                      | I        | 1            | Done               |
|                   |               | 7581              | C                    | 4.4             |                      | 29.0     |                  |                      |          |                  |                      | II       | 2            | 7/61               |
| 826 & 827         | Pat's Knob    | 508               | R & C                | 3.5             | 10.0                 | 13.5     |                  |                      |          |                  |                      | I        | 1            | 2/61               |
| 828               | Arvilla Peak  | 508               | C                    | 1.0             |                      | 6.0      |                  |                      |          |                  |                      | II       | 2            | 5/61               |
|                   |               | 7592              | C                    | 2.5             | 4.0                  | 11.0     |                  |                      |          |                  |                      | II       | 2            | 5/61               |
|                   |               | 7585              | R & C                | 1.8             |                      | 5.0      |                  |                      |          |                  |                      | I        | 1            | 2/61               |
|                   |               | 7585              | C                    | 4.7             |                      | 23.5     |                  |                      |          |                  |                      | II       | 2            | 5/61               |
|                   |               | 7585              | B or Cu              |                 | 1.0                  | 1.0      |                  |                      |          |                  |                      | II       | 2            | 5/61               |
| 820               | Henry Creek   | 7584              | C                    | 1.0             |                      | 5.0      |                  |                      |          |                  |                      | I        | 1            | 2/61               |
|                   |               | 7584              | C                    | 5.0             | 35.0                 |          |                  |                      |          |                  |                      | II       | 2            | 5/61               |
|                   |               | 217               | R                    | 1.5             |                      | 1.0      |                  |                      |          |                  |                      | I        | 1            | 2/61               |
|                   |               | 5588              | C                    |                 |                      |          | 2.0              | 5.0                  | 5.0      |                  |                      | I        | 1            | 12/61              |
|                   |               | 661               | R                    |                 |                      |          | 5.0              | 7.0                  |          |                  |                      | I        | 1            | 12/61              |
| 834               | Cow Camp      | 661               | C                    |                 |                      |          | 2.5              | 10.0                 | 5.0      |                  |                      | II       | 2            | 4/62               |
|                   |               | 5597              | C                    |                 |                      |          | 2.8              | 6.2                  | 5.0      |                  |                      | II       | 2            | 4/62               |
|                   |               | 7575.1            | C                    | 1.8             | 6.5                  | 7.0      |                  |                      |          |                  |                      | I        | 1            | 6/61               |
|                   |               | 7575.1            | C                    | 2.2             | 8.5                  | 8.0      |                  |                      |          |                  |                      | II       | 2            | 7/61               |
|                   |               | 323               | C                    | 0.8             | 3.0                  | 3.0      |                  |                      |          |                  |                      | I        | 1            | 6/61               |
| 801               | Whitney Crk.  | 323               | C                    | 3.1             | 12.0                 | 12.0     |                  |                      |          |                  |                      | II       | 2            | 7/61               |
|                   |               | 7560              | C                    | 0.2             | 1.2                  |          |                  |                      |          |                  |                      | I        | 1            | 8/61               |
| 803               | Beartrap Crk. | 7560              | C                    | 1.1             |                      | 6.6      |                  |                      |          |                  |                      | II       | 2            | 9/61               |
|                   |               | 7569              | C                    |                 |                      |          | 1.5              | 9.0                  |          |                  |                      | II       | 2            | 6/62               |
|                   |               | 7569              | B                    |                 |                      |          | 1.0              | 2.0                  | 6.0      |                  |                      | II       | 2            | 12/61              |
|                   |               | 7570              | C                    |                 |                      |          |                  |                      |          |                  |                      |          |              | 6/62               |

(Continued on next page)



Appendix table 17b (continued)

## PLAINS DISTRICT

| Com-part-ment No. | Name of Sale       | Road Proj-ect No. | Kind of Work Planned | Planned FY 1962 |                      |           | Proposed FY 1963 |                      |           | Proposed FY 1964 |                      |           | Road Survey  |                     |
|-------------------|--------------------|-------------------|----------------------|-----------------|----------------------|-----------|------------------|----------------------|-----------|------------------|----------------------|-----------|--------------|---------------------|
|                   |                    |                   |                      | Miles           | Estimated Cost (M\$) |           | Miles            | Estimated Cost (M\$) |           | Miles            | Estimated Cost (M\$) |           | Type Planned | Date of Comple-tion |
|                   |                    |                   |                      |                 | Govt.                | Oper-ator |                  | Govt.                | Oper-ator |                  | Govt.                | Oper-ator |              |                     |
| **804             | Richard's Pk       | ?                 | C                    |                 |                      |           |                  |                      |           |                  | 1.0                  | 2.0       | I            | 12/62               |
|                   |                    | ?                 | C                    |                 |                      |           |                  |                      |           |                  | 1.0                  | 2.0       | II           | 7/63                |
| 828               | E. Fk. Swamp Creek | 7589              | R & C                |                 |                      |           |                  |                      |           |                  | 3.7                  | 9.2       | I            | 6/62                |
| 832               | Spring Crk.        | 7589              | C                    |                 |                      |           |                  |                      |           |                  | 2.3                  | 13.8      | II           | 6/62                |
|                   |                    | 7576              | C                    |                 |                      |           |                  |                      |           |                  | 0.5                  | 16.0      | I            | 7/62                |
|                   |                    | 7576              | C                    |                 |                      |           |                  |                      |           |                  | 2.5                  |           | II           | 7/62                |
| 814               |                    | 7577              | C                    |                 |                      |           |                  |                      |           |                  | 5.0                  | 22.0      | II           | 12/62               |
|                   |                    | 7519              | C                    |                 |                      |           |                  |                      |           |                  | 1.0                  | 15.0      | I            | 8/62                |
|                   |                    | 7519              | C                    |                 |                      |           |                  |                      |           |                  | 3.5                  |           | II           | 8/62                |
| 802               | West Mantrap Creek | 7565              | C                    |                 |                      |           |                  |                      |           |                  | 3.0                  | 18.0      | II           | 6/63                |

\*Rights-of-way over private portions of St. Regis Paper Co. special use road in Sections 1 and 11 should be obtained and the entire road put on the system.

\*\*Private road through Sections 1, 2, and 3, T. 23 N., R. 27 W., and Section 34, T. 24 N., R. 27 W., should be numbered and picked up on the system. The two miles of new construction would be a continuation of this road. Cost of obtaining rights-of-way on existing roads is not included.

TABLE 17c - UNCUT VOLUME UNDER CONTRACT AVAILABLE FOR CUTTING  
(Reference FSH 2412.5)

Forest: Lolo

District: Plains

Working Circle: Thompson River

Date: January 1, 1961

| Com-part-ment No. | Name of Sale                       | Date Sold | In Millions of Board Feet |              |               |                               |                   |         |         |         |         |         |  |  |
|-------------------|------------------------------------|-----------|---------------------------|--------------|---------------|-------------------------------|-------------------|---------|---------|---------|---------|---------|--|--|
|                   |                                    |           | Total Volume of Sale      | Uncut Volume |               | Distribution of Uncut Balance |                   |         |         |         |         |         |  |  |
|                   |                                    |           |                           | Total Volume | Volume Marked | Volume Scaled                 | 1/1/61 to 6/30/61 | FY 1962 | FY 1963 | FY 1964 | FY 1965 | FY 1966 |  |  |
|                   | Total Sales \$301 to \$2,000 Class |           | 0.2                       | 0.2          | 0.2           | 0.1                           | 0.1               | 0.1     |         |         |         |         |  |  |
| 825               | River Bend                         | 12/5/60   | 0.7                       | 0.7          | 0.7           |                               | 0.7               |         | 0.3     |         |         |         |  |  |
| 818               | Hinchwood Creek                    | 7/13/59   | 3.3                       | 0.3          | 0.3           |                               |                   |         |         |         |         |         |  |  |
| 833               | Weeksville Creek*                  | 6/23/59   | 9.0                       | 9.0          |               |                               |                   |         |         | 3.0     | 6.0     |         |  |  |
| 802               | Border Peak                        | 8/8/60    | 12.0                      | 12.0         |               |                               | 3.0               | 6.0     | 3.0     |         |         |         |  |  |
| 817               | McGinnis #5                        | 6/24/57   | 19.2                      | 6.9          | 6.9           |                               | 6.9               |         |         |         |         |         |  |  |
| Totals            |                                    |           | 44.4                      | 29.1         | 8.1           | 0.1                           | 10.7              | 6.4     | 6.0     | 6.0     |         |         |  |  |

\* Presently pending cancelation of contract. Future cut questionable.

TABLE 18 - WORKING CIRCLE CONTROL RECORD SUMMARY

## THOMPSON FALLS BLOCK

| Fiscal Year | Product | Regulated Cut |                          |                    |                       |                          | Nonregulated Cut       |            |
|-------------|---------|---------------|--------------------------|--------------------|-----------------------|--------------------------|------------------------|------------|
|             |         | Allowable Cut | Cumulative Allowable Cut | Actual Annual Cut  | Cumulative Annual Cut | Status of Cumulative Cut | Adjusted Allowable Cut | Annual Cut |
| 1957        | 11" +   | 15.0          | 15.0                     | 11.0               | 11.0                  | MM Board Feet - 4.0      | 18.75 <sup>2/</sup>    | -          |
|             | 11" -   | 3.4           | 3.4                      | 0                  | 0                     | - 3.4                    | 4.25                   | -          |
| 1958        | 11" +   | 15.0          | 30.0                     | 9.6                | 20.6                  | - 9.4                    | 18.75 <sup>2/</sup>    | -          |
|             | 11" -   | 3.4           | 6.8                      | 0                  | 0                     | - 6.8                    | 4.25                   | -          |
| 1959        | 11" +   | 15.0          | 45.0                     | 14.2               | 34.8                  | -10.2                    | 17.7                   | -          |
|             | 11" -   | 3.4           | 10.2                     | 0.1                | 0.1                   | -10.1                    | 4.25                   | -          |
| 1960        | 11" +   | 15.0          | 60.0                     | 14.4               | 49.2                  | -10.8                    | 15.6                   | -          |
|             | 11" -   | 3.4           | 13.6                     | 0.1                | 0.2                   | -13.4                    | 4.25                   | -          |
| 1961        | 11" +   | 15.0          | 75.0                     | 11.4 <sup>1/</sup> | 60.6                  | -14.4                    | 18.6                   | -          |
|             | 11" -   | 3.4           | 17.0                     | 0.1                | 0.3                   | -16.7                    | 4.25                   | -          |

<sup>1/</sup> Actual cut 7/1/60 to 12/31/60 plus estimated cut 1/1/61 to 6/30/61<sup>2/</sup> Cannot exceed allowable annual cut by more than 25 percent.

TABLE 18a - PROPOSED CUT AND SELL PLANS  
(Reference FSH 2412.5)

Forest: Lolo  
Working Circle: Thompson River

District: Thompson Falls  
Date: January 1, 1961

| Compart-<br>ment<br>No.      | Name of Sale             | In Millions of Board Feet |     |         |      |         |      |         |      |         |      |         |      |
|------------------------------|--------------------------|---------------------------|-----|---------|------|---------|------|---------|------|---------|------|---------|------|
|                              |                          | Last Half<br>FY 1961      |     | FY 1962 |      | FY 1963 |      | FY 1964 |      | FY 1965 |      | FY 1966 |      |
|                              |                          | Sell                      | Cut | Sell    | Cut  | Sell    | Cut  | Sell    | Cut  | Sell    | Cut  | Sell    | Cut  |
| 945                          | Cougar Mtn.              | 7.9                       |     |         | 5.0  |         | 2.9  |         |      |         |      |         |      |
| *933                         | Jungle Cr.               | 8.0                       |     |         | 4.0  |         | 4.0  |         |      |         |      |         |      |
| 903                          | Clear Cr.                | 1.9                       | 1.0 |         | .9   |         |      |         |      |         |      |         |      |
| 949                          | Graves Cr. Loop          | .3                        |     |         | .3   |         |      |         |      |         |      |         |      |
| 949                          | Irv's Cr.                | .5                        |     |         | .5   |         |      |         |      |         |      |         |      |
|                              | Various Small Misc.      | .2                        | .1  |         | .1   |         |      |         |      |         |      |         |      |
| *932                         | Marmot Peak              |                           |     | 5.0     |      |         | 5.0  |         |      |         |      |         |      |
| *933                         | Upper Jungle             |                           |     | 8.0     |      |         | 2.0  |         | 6.0  |         |      |         |      |
| 939                          | Liver Peak               |                           |     | 8.0     |      |         | 2.0  |         | 3.0  |         | 3.0  |         |      |
|                              | Various Small Misc.      |                           |     | 2.0     | 0.8  |         | 1.2  |         |      |         |      |         |      |
| 938                          | Honeymoon Cr.            |                           |     |         |      | 8.0     |      |         |      |         |      |         | 3.0  |
| 938                          | Big Spruce Cr.           |                           |     |         |      | 5.0     |      |         |      |         | 2.0  |         | 2.0  |
| 920                          | East Fork Dry Cr.        |                           |     |         |      | 1.0     |      |         |      |         | 2.0  |         |      |
|                              | Various Small Misc.      |                           |     |         |      | 2.0     | 0.8  |         |      |         |      |         |      |
| 939                          | Goat Creek               |                           |     |         |      |         |      | 8.0     |      |         | 2.0  |         | 3.0  |
| *935                         | Barktable Cr.            |                           |     |         |      |         |      | 4.0     |      |         | 2.0  |         | 2.0  |
| 930                          | Benson Peak              |                           |     |         |      |         |      | 5.0     | 1.0  |         | 4.0  |         |      |
|                              | Various Small Misc.      |                           |     |         |      |         |      | 2.0     | 0.8  |         | 1.2  |         |      |
| 939                          | Goat Lake                |                           |     |         |      |         |      |         |      | 8.0     | 2.0  |         | 3.0  |
| 939                          | Four Lakes Cr.           |                           |     |         |      |         |      |         |      | 8.0     | 3.0  |         | 3.0  |
| 925                          | Munson Cr.               |                           |     |         |      |         |      |         |      | 1.0     | 1.0  |         | 1.0  |
|                              | Various Small Misc.      |                           |     |         |      |         |      |         |      | 2.0     | 0.8  |         | 1.0  |
| 936                          | West Fork Thompson River |                           |     |         |      |         |      |         |      |         |      | 8.0     |      |
| 915                          | Table Top                |                           |     |         |      |         |      |         |      |         |      | 5.0     |      |
| 929                          | Shale Cr.                |                           |     |         |      |         |      |         |      |         |      | 3.0     | 1.0  |
| 925                          | Kookoo Sint Ridge        |                           |     |         |      |         |      |         |      |         |      | 1.3     |      |
|                              | Various Small Misc.      |                           |     |         |      |         |      |         |      |         |      | 2.8     | 0.8  |
| (*NP Rights-of-way involved) |                          | 18.8                      | 1.1 | 23.0    | 11.6 | 16.0    | 17.9 | 19.0    | 19.0 | 19.0    | 22.0 | 19.5    | 19.0 |



TABLE 18b - TIMBER ACCESS ROADS - DETAILS BY PROJECTS  
(Reference FSH 2412.5)

Forest: Lolo

Working Circle: Thompson River

District: Thompson Falls

Date: 1/9/61

| Com-part-ment No. | Name of Sale  | Road Proj-ect No. | Kind of Work Planned | Planned FY 1962 |                      |           | Proposed FY 1963 |                      |           | Proposed FY 1964 |                      |           | Road Survey  |                     |      |
|-------------------|---------------|-------------------|----------------------|-----------------|----------------------|-----------|------------------|----------------------|-----------|------------------|----------------------|-----------|--------------|---------------------|------|
|                   |               |                   |                      | Miles           | Estimated Cost (M\$) |           | Miles            | Estimated Cost (M\$) |           | Miles            | Estimated Cost (M\$) |           | Type Planned | Date of Comple-tion |      |
|                   |               |                   |                      |                 | Govt.                | Oper-ator |                  | Govt.                | Oper-ator |                  | Govt.                | Oper-ator | Sur-vey      |                     |      |
| 932               | Beatrice Cr.  | 7687              | C                    | 1.0             | 0.3                  | 2.0       |                  |                      |           |                  |                      |           | II           | 2                   | 8/61 |
| 945               | Cougar Mtn.   | 403               | C                    | 2.5             |                      | 115.0     |                  |                      |           |                  |                      |           | I            | 1                   | Done |
|                   |               | 403               | C                    | 6.5             |                      |           |                  |                      |           |                  |                      |           | II           | 2                   | Done |
| 903               | Clear Creek   | 153               | C                    | 1.0             |                      | 12.0      |                  |                      |           |                  |                      |           | I            | 1                   | 2/61 |
| *933              | Jungle Creek  | 529               | C                    | 2.0             | 3.0                  | 9.0       |                  |                      |           |                  |                      |           | I            | 1                   | Done |
| 933               | Jungle Creek  | 7667              | C                    | 5.0             | 8.0                  | 22.0      |                  |                      |           |                  |                      |           | I            | 1                   | Done |
| 932               | Marmot Peak   | 7670              | C                    |                 |                      |           | 2.0              | 2.0                  | 10.0      |                  |                      |           | I            | 1                   | Done |
|                   |               | 7670              | C                    |                 |                      |           | 2.0              | 17.0                 | 25.0      |                  |                      |           | I            | 2                   | 9/61 |
|                   |               | 7667              | C                    |                 |                      |           | 4.0              |                      |           |                  |                      |           | II           | 2                   | 9/61 |
| 933               | Upper Jungle  | 7667              | C                    |                 |                      |           | 2.0              |                      | 28.0      |                  |                      |           | I            | 1                   | 9/61 |
|                   |               | 7667              | C                    |                 |                      |           | 2.0              |                      |           |                  |                      |           | II           | 2                   | 9/61 |
|                   |               | 7667              | Cu                   |                 |                      |           |                  | 4.0                  |           |                  |                      |           |              |                     |      |
| 939               | Liver Peak    | 7656              | C                    |                 |                      |           | 2.0              | 7.4                  | 8.6       |                  |                      |           | II           | 2                   | 9/61 |
|                   |               | 7656              | B                    |                 |                      |           |                  | 8.0                  |           |                  |                      |           |              |                     |      |
|                   |               | 7657              | C                    |                 |                      |           | 5.0              | 19.6                 | 30.4      |                  |                      |           |              |                     |      |
| 939               | Goat Creek    | 7657              | C                    |                 |                      |           |                  |                      |           |                  |                      |           | I            | 1                   | 9/61 |
| 938               | Big Spruce Cr | 7668              | C                    |                 |                      |           |                  |                      |           | 1.0              | 8.0                  |           | II           | 2                   | 9/62 |
| 938               | Honeymoon Cr  | 7658              | C                    |                 |                      |           |                  |                      |           | 5.0              | 25.0                 |           | I            | 1                   | 9/62 |
|                   |               |                   |                      |                 |                      |           |                  |                      |           | 3.0              | 35.0                 |           | II           | 2                   | 9/62 |

\* Amounts include totals to be cost-shared with N.P.

TABLE 18c - UNCUT VOLUME UNDER CONTRACT AVAILABLE FOR CUTTING  
(Reference FSH 2412.5)

Forest: Lolo

District: Thompson Falls

Working Circle: Thompson River

Date: January 9, 1961

| Com-part-<br>ment<br>No. | Name of Sale                                         | Date<br>Sold | In Millions of Board Feet  |                 |                  |                               |                      |            |            |            |            |            |  |
|--------------------------|------------------------------------------------------|--------------|----------------------------|-----------------|------------------|-------------------------------|----------------------|------------|------------|------------|------------|------------|--|
|                          |                                                      |              | Total<br>Volume<br>of Sale | Uncut Volume    |                  | Distribution of Uncut Balance |                      |            |            |            |            |            |  |
|                          |                                                      |              |                            | Total<br>Volume | Volume<br>Marked | Volume<br>Scaled              | 1/1/61 to<br>6/30/61 | FY<br>1962 | FY<br>1963 | FY<br>1964 | FY<br>1965 | FY<br>1966 |  |
| 929 &<br>932             | Beatrice Crk. 12-11-161-339<br>Plum Creek Lumber Co. | 6/15/59      | 9.6                        | 7.6             | 4.5              |                               | 6.1                  | 1.5        |            |            |            |            |  |
| 944                      | Graves Bluff 12-11-161-365<br>Watters Bros. Lbr. Co. | 9/14/59      | .9                         | .9              | .9               |                               |                      | .9         |            |            |            |            |  |
| Size 4<br>944            | Vermilion Pass 12-11-161-285<br>G & L Logging        | 9/8/58       | .2                         | .1              | .1               |                               |                      | .1         |            |            |            |            |  |
| Min.to<br>\$300          | Combined                                             |              | .1                         | .1              | .1               |                               | .1                   |            |            |            |            |            |  |
| Totals                   |                                                      |              | 10.8                       | 8.7             | 5.6              | 1.0                           | 6.2                  | 2.5        |            |            |            |            |  |

TABLE 19 - ACTUAL CUT OF THE PAST 5 YEARS (1956-1960) BY SPECIES

## National Forest Lands

| C.Y. | W        | P        | L        | D        | S        | AF,<br>GF | C                     | LP     | Total<br>Sawtimber | Conv.<br>Prod. | Total<br>All Prod. |
|------|----------|----------|----------|----------|----------|-----------|-----------------------|--------|--------------------|----------------|--------------------|
|      |          |          |          |          |          |           | MBF (Scribner Dec. C) |        |                    |                |                    |
|      |          |          |          |          |          |           | PLAINS BLOCK          |        |                    |                |                    |
| 1956 | -        | 1,321.38 | 480.89   | 221.90   | -        | 21.05     | -                     | 42.67  | 2,087.89           | 9.00           | 2,096.89           |
| 1957 | -        | 1,442.81 | 1,542.65 | 864.68   | 682.00   | 182.79    | -                     | 282.97 | 4,997.90           | 37.23          | 5,035.13           |
| 1958 | -        | 2,944.10 | 1,878.18 | 1,397.34 | 682.67   | 189.02    | -                     | 298.86 | 7,390.17           | 3.35           | 7,393.52           |
| 1959 | -        | 9,569.58 | 7,554.08 | 5,099.64 | 75.62    | 210.88    | -                     | 436.56 | 22,946.36          | 16.00          | 22,962.36          |
| 1960 | -        | 6,309.01 | 9,020.97 | 5,457.54 | 1,621.22 | 637.23    | 2.00                  | 481.85 | 23,529.82          | 78.98          | 23,608.80          |
|      |          |          |          |          |          |           |                       |        |                    |                |                    |
|      |          |          |          |          |          |           | THOMPSON FALLS BLOCK  |        |                    |                |                    |
| 1956 | 1,815.18 | 130.73   | 1,566.35 | 2,081.13 | 5,452.35 | 123.96    | 46.32                 | 25.71  | 11,241.73          | 25.00          | 11,266.73          |
| 1957 | 990.20   | 859.68   | 1,078.16 | 2,543.94 | 2,180.55 | 467.63    | 39.31                 | 11.95  | 8,171.42           | 13.70          | 8,185.12           |
| 1958 | 333.21   | 3,806.16 | 1,191.75 | 4,359.93 | 2,944.62 | 1,162.97  | 196.38                | 426.72 | 14,421.74          | 94.40          | 14,516.14          |
| 1959 | 539.96   | 2,986.37 | 2,020.85 | 4,456.30 | 3,368.97 | 746.71    | 78.16                 | 894.93 | 15,092.25          | 21.18          | 15,113.43          |
| 1960 | 97.67    | 1,930.88 | 921.31   | 2,553.05 | 401.82   | 955.15    | 2.10                  | 28.96  | 6,890.94           | 94.13          | 6,985.07           |

TABLE 20 - CURRENT DETERMINATION OF PLANTABLE ACRES  
(Reference FSH 2465)

Forest: Lolo

Date of Report: 1/18/61

PLAINS BLOCK

|                                                                            | Needing<br>planting<br>survey<br>(acres) | Surveyed<br>(acres) | Total<br>(acres) |
|----------------------------------------------------------------------------|------------------------------------------|---------------------|------------------|
| Cumulative total brought forward from<br>previous report .....             | 500                                      | 464                 | 964              |
| Added during current year by                                               |                                          |                     |                  |
| 1. Fire .....                                                              |                                          |                     |                  |
| 2. Cutting .....                                                           | 550                                      |                     | 550              |
| 3. Other (land acquisition, etc.) .....                                    |                                          |                     |                  |
| Total .....                                                                |                                          |                     |                  |
| Less total planted or to be subtracted .....                               |                                          |                     |                  |
| Grand total all classes to date .....                                      | 1,050                                    | 464                 | 1,514            |
| Of the above total how many acres are*                                     |                                          |                     |                  |
| 1. Ready for planting now .....                                            |                                          | 464                 | 464              |
| 2. In need of preparation                                                  |                                          |                     |                  |
| a. Brush eradication .....                                                 |                                          |                     |                  |
| b. Hazard reduction (snags, etc.) .....                                    |                                          |                     |                  |
| c. Other (specify) To be surveyed to<br>determine preparation needed ..... | 1,050                                    |                     | 1,050            |

\* All acres included in "Grand total all classes to date" should be included in this breakdown.

(Continued on next page)



TABLE 20 - 4-YEAR PLANTING PLAN  
(continued) (Reference FSH 2462.1)

PLAINS BLOCK

| Acres and M Trees by Species |            |       |   |       |     |       |   |       |   |       |   |       |   |       |   |       |     |
|------------------------------|------------|-------|---|-------|-----|-------|---|-------|---|-------|---|-------|---|-------|---|-------|-----|
| Elevation                    | Fund       | WP    |   | PP    |     | DF    |   | ES    |   | Cedar |   | LPP   |   | Total |   |       |     |
|                              |            | Acres | M | Acres | M   | Acres | M | Acres | M | Acres | M | Acres | M | Acres | M | Acres | M   |
|                              |            |       |   |       |     |       |   |       |   |       |   |       |   |       |   |       |     |
| 5,000'<br>(1963)             | K-V<br>P&M |       |   | 375   | 75  |       |   |       |   |       |   |       |   |       |   | 375   | 75  |
| 5,500'<br>(1964)             | K-V<br>P&M |       |   | 500   | 125 |       |   |       |   |       |   |       |   |       |   | 500   | 125 |
| 5,000'<br>(1964)             | K-V<br>P&M |       |   | 192   | 80  |       |   |       |   |       |   |       |   |       |   | 192   | 80  |
| 5,000'<br>(1965)             | K-V<br>P&M |       |   | 400   | 100 |       |   |       |   |       |   |       |   |       |   | 400   | 100 |

TABLE 20a - CURRENT DETERMINATION OF PLANTABLE ACRES  
(Reference FSH 2465)

Forest: Lolo

Date of Report: 1/6/61

THOMPSON FALLS BLOCK

|                                                                | Needing<br>planting<br>survey<br>(acres) | Surveyed<br>(acres) | Total<br>(acres) |
|----------------------------------------------------------------|------------------------------------------|---------------------|------------------|
| Cumulative total brought forward from<br>previous report ..... | 1,563                                    | 904                 | 2,467            |
| Added during current year by                                   |                                          |                     |                  |
| 1. Fire .....                                                  |                                          |                     |                  |
| 2. Cutting .....                                               | 50                                       |                     | 50               |
| 3. Other (land acquisition, etc.) .....                        |                                          |                     |                  |
| Total .....                                                    | 1,613                                    | 904                 | 2,517            |
| Less total planted or to be subtracted ..                      | 109                                      | 193                 | 302              |
| Grand total all classes to date .....                          | 1,504                                    | 711                 | 2,215            |
| Of the above total how many acres are*                         |                                          |                     |                  |
| 1. Ready for planting now .....                                | 1,254                                    | 711                 | 1,965            |
| 2. In need of preparation                                      |                                          |                     |                  |
| a. Brush eradication .....                                     | 250                                      |                     | 250              |
| b. Hazard reduction (snags, etc.) ....                         |                                          |                     |                  |
| c. Other (specify) .....                                       |                                          |                     |                  |

\* All acres included in "Grand total all classes to date" should be included in this breakdown.

(Continued on next page)

TABLE 20a - 4-YEAR PLANTING PLAN  
continued (Reference FSH 2462.1)

THOMPSON FALLS BLOCK

| Elevation        | Fund       | Acres and M Trees by Species |   |       |   |       |   |                         |    |       |   |       |            |
|------------------|------------|------------------------------|---|-------|---|-------|---|-------------------------|----|-------|---|-------|------------|
|                  |            | WP                           |   | PP    |   | DF    |   | ES                      |    | Cedar |   | LPP   |            |
|                  |            | Acres                        | M | Acres | M | Acres | M | Acres                   | M  | Acres | M | Acres | M          |
| 5,600'<br>(1962) | K-V<br>P&M |                              |   |       |   |       |   | 100                     | 10 |       |   |       | 100 10     |
| 4,500'<br>(1963) | K-V<br>P&M |                              |   | 100   |   |       |   | 6 lbs. (direct seeding) |    |       |   |       | 100 6 lbs. |
| 5,500'<br>(1963) | K-V<br>P&M |                              |   |       |   |       |   | 150                     | 15 |       |   |       | 150 15     |
| 6,000'<br>(1964) | K-V<br>P&M |                              |   |       |   |       |   | 60                      | 10 |       |   |       | 60 10      |

TABLE 21 - SUMMARY OF K-V WORK INVENTORY AND PLAN 1/  
National Forest Lands

| Fiscal Year | Weeding & Cleaning |       | Thinning, Liberation & Sanitation Cuts |        | Pruning |       | Cull Tree Cuts and Slashing |       | Fire Line Prep. and Prescribed Burn |       | Brush Eradication, Scarification & Seedbed Preparation |        | Total |        |
|-------------|--------------------|-------|----------------------------------------|--------|---------|-------|-----------------------------|-------|-------------------------------------|-------|--------------------------------------------------------|--------|-------|--------|
|             | Acres              | Cost  | Acres                                  | Cost   | Acres   | Cost  | Acres                       | Cost  | Acres                               | Cost  | Acres                                                  | Cost   | Acres | Cost   |
| P&M)        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1962)       |                    |       | 25                                     | 1,000  |         |       |                             |       |                                     |       |                                                        |        | 25    | 1,000  |
| K-V         |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1962        |                    |       | 75                                     | 2,103  | 75      | 1,875 | 88                          | 2,397 | 481                                 | 5,481 |                                                        |        | 719   | 11,856 |
| 1963        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1964        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1965        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1966        |                    |       | 100                                    | 3,103  | 75      | 1,875 | 88                          | 2,397 | 481                                 | 5,481 |                                                        |        | 744   | 12,856 |
| Total       |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
|             |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| P&M)        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1962)       |                    |       | 50                                     | 2,000  |         |       | 74                          | 2,000 |                                     |       |                                                        |        | 124   | 4,000  |
| K-V         |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1962        | 332                | 8,017 | 200                                    | 5,795  | 100     | 2,820 |                             |       | 30                                  | 187   | 650                                                    | 12,824 | 1,312 | 29,643 |
| 1963        | 46                 | 1,049 | 300                                    | 6,800  |         |       |                             |       |                                     |       |                                                        |        | 346   | 7,849  |
| 1964        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| 1965        |                    |       | 14                                     | 290    |         |       |                             |       |                                     |       |                                                        |        | 14    | 290    |
| 1966        |                    |       |                                        |        |         |       |                             |       |                                     |       |                                                        |        |       |        |
| Total       | 378                | 9,066 | 564                                    | 14,885 | 100     | 2,820 | 74                          | 2,000 | 30                                  | 187   | 650                                                    | 12,824 | 1,796 | 41,782 |

THOMPSON FALLS BLOCK

1/ Extracted from Form M-1035-R1 of the same title.



TABLE 22 - NUMBER OF FIRES, ACRES BURNED, AND CAUSES (1941-1960)

| Year          | Lightning |        | Railroad |          | Smoker |        | Camper |       | Debris Burn. |       | Lumbering |       | Misc. |        | Total |          |
|---------------|-----------|--------|----------|----------|--------|--------|--------|-------|--------------|-------|-----------|-------|-------|--------|-------|----------|
|               | No.       | Acres  | No.      | Acres    | No.    | Acres  | No.    | Acres | No.          | Acres | No.       | Acres | No.   | Acres  | No.   | Acres    |
| 1941          | 38        | 1.68   | 12       | 43.76    | 2      | 10.31  | 3      | 65.70 | 1            | 12.00 |           |       | 1     | .20    | 55    | 121.45   |
| 1942          | 11        | 3.87   | 6        | 2.20     | 3      | 12.10  |        |       |              | .90   |           |       | 2     | 33.40  | 22    | 30.37    |
| 1943          | 7         | .23    | 56       | 186.20   | 2      | 11.20  | 1      | .10   | 1            | .25   | 1         | .15   | 2     | 7.00   | 70    | 232.18   |
| 1944          | 38        | 39.33  | 24       | 3,988.85 | 2      | .41    | 1      | -     | 1            | 17.00 | 1         | 7.00  | 1     | 5.00   | 68    | 4,040.84 |
| 1945          | 28        | 19.66  | 4        | 1,150.50 | 9      | 38.82  | 1      | -     | 1            | 1.00  | 1         | 35.00 |       |        | 44    | 1,260.98 |
| 1946          | 27        | 35.25  | 3        | 12.20    | 3      | 65.60  | 1      | .30   |              |       |           |       |       |        | 34    | 113.35   |
| 1947          | 39        | 38.15  |          |          | 2      | .50    | 2      | 1.20  | 1            | 1.00  |           |       |       |        | 44    | 40.85    |
| 1948          | 10        | .05    |          |          | 3      | 5.00   |        |       |              |       |           |       |       |        | 13    | 5.05     |
| 1949          | 70        | 11.56  |          |          | 2      | 23.00  | 3      | .70   | 1            | 4.00  | 2         | .30   | 3     | 45.70  | 81    | 85.26    |
| 1950          | 23        | 1.82   |          |          | 2      | .30    | 1      | .10   | 1            | 1.00  | 1         | 7.50  |       |        | 28    | 10.72    |
| Total         | 291       | 151.60 | 105      | 5,383.71 | 30     | 167.24 | 13     | 68.10 | 7            | 36.15 | 6         | 49.95 | 7     | 84.30  | 459   | 5,941.05 |
| Av./Yr.       | 29.1      | 15.16  | 10.5     | 538.37   | 3.0    | 16.72  | 1.3    | 6.81  | .7           | 3.62  | .6        | 5.00  | .7    | 8.43   | 45.9  | 594.11   |
| 1951          | 30        | .85    | 1        | .75      | 2      | .10    | 1      | -     |              |       |           |       | 1     | .40    | 35    | 2.10     |
| 1952          | 19        | 3.73   | 3        | 1.50     | 5      | .21    | 4      | 1.95  | 3            | 1.62  | 1         | .25   |       |        | 35    | 9.26     |
| 1953          | 41        | 11.45  |          |          | 2      | .20    | 1      | .10   | 2            | .80   |           |       |       |        | 46    | 12.55    |
| 1954          | 27        | 430.10 | 1        | .20      |        |        |        |       | 1            | 2.00  | 1         | .10   | 1     | .10    | 30    | 432.40   |
| 1955          | 12        | .44    | 4        | 2.11     | 1      | .01    | 2      | .45   | 4            | 6.70  | 1         | -     | 2     | .37    | 24    | 9.81     |
| 1956          | 36        | 5.51   |          |          | 2      | -      |        |       | 1            | 1.00  | 1         | -     | 1     | -      | 42    | 6.88     |
| 1957          | 27        | 3.28   |          |          |        |        | 1      | 16.00 | 3            | 36.00 |           |       |       |        | 32    | 55.28    |
| 1958          | 33        | 4.54   | 2        | 2.10     | 2      | .40    |        |       | 8            | 9.20  | 1         | .10   | 2     | 93.00  | 48    | 109.34   |
| 1959          | 9         | 85.74  | 9        | 3.92     | 3      | 607.03 | 1      | -     | 1            | .40   |           |       | 2     | .90    | 25    | 697.99   |
| 1960          | 16        | 15.29  | 8        | 15.41    | 1      | 1.20   | 1      | -     | 1            | 1.20  | 2         | 2.50  | 3     | 2.54   | 32    | 38.14    |
| Total         | 250       | 560.93 | 28       | 25.99    | 18     | 609.15 | 11     | 18.50 | 24           | 58.92 | 6         | 2.95  | 12    | 97.31  | 349   | 1,373.75 |
| Av./Yr.       | 25.0      | 56.09  | 2.8      | 2.6      | 1.8    | 60.92  | 1.1    | 1.85  | 2.4          | 5.89  | .6        | .30   | 1.2   | 9.73   | 34.9  | 137.38   |
| GRAND TOTAL   | 541       | 712.53 | 133      | 5,409.70 | 48     | 776.39 | 24     | 86.60 | 31           | 95.07 | 12        | 52.90 | 19    | 181.61 | 808   | 7,314.80 |
| GRAND AV./YR. | 27.1      | 35.60  | 6.6      | 270.50   | 2.4    | 38.80  | 1.2    | 4.30  | 1.5          | 4.80  | .6        | 2.60  | .9    | 9.60   | 40.4  | 365.70   |

TABLE 23 - THREE-YEAR RIGHT-OF-WAY REQUIREMENTS (1962-1964 Incl.) \*

| Proposed Sale            | Road Number | General Location of Right-of-Way | Land Owners              | Date of Construction |
|--------------------------|-------------|----------------------------------|--------------------------|----------------------|
| ----- PLAINS BLOCK ----- |             |                                  |                          |                      |
| Pat's Knob               | 508         | Sec. 15,<br>T19N, R26W           | Anaconda Co.             | 1962                 |
|                          |             | Sec. 22,<br>T19N, R26W           | State of Mont.           |                      |
|                          | 7592.1      | Sec. 22 & 27,<br>T19N, R26W      | State of Mont.           | 1962                 |
|                          |             | Sec. 22 & 27,<br>T19N, R26W      | Anaconda Co.             |                      |
| Arvilla Peak             | 217         | Sec. 27 & 28,<br>T20N, R27W      | Anaconda Co.             | 1962                 |
|                          | 7582        | Sec. 28 & 33,<br>T20N, R27W      | Anaconda Co.             | 1962                 |
|                          | 7583        | Sec. 33,<br>T20N, R27W           | Anaconda Co.             | 1962                 |
|                          | 7585        | Sec. 33,<br>T20N, R27W           | Anaconda Co.             | 1962                 |
| Henry Creek              | 5588        | Sec. 35,<br>T20N, R25W           | State of Mont.           | 1963                 |
|                          | 661         | Sec. 1,<br>T19N, R26W            | C. F. Norberg            | 1963                 |
|                          |             | Sec. 6,<br>T19N, R25W            | C. F. Norberg            |                      |
|                          |             | Sec. 31, 32, 33,<br>T20N, R25W   | C. F. Norberg            |                      |
|                          |             | Sec. 34 & 35,<br>T20N, R25W      | State of Mont.           |                      |
|                          | 5597        | Sec. 34,<br>T20N, R25W           | State of Mont.           | 1963                 |
| Cow Camp                 | 7575.1      | Sec. 23,<br>T22N, R27W           | Anaconda Co.             | 1962                 |
|                          | 323         | Sec. 18,<br>T22N, R26W           | State of Mont.           | 1962                 |
|                          |             | Sec. 19,<br>T22N, R26W           | Anaconda Co.             |                      |
| Whitney Creek            | 7560        | Sec. 1 & 11,<br>T25N, R28W       | Anaconda Co.             | 1962                 |
| E. Fork Swamp Creek      | 7589        | Sec. 26,<br>T20N, R27W           | State of Mont.           | 1964                 |
|                          |             | Sec. 35,<br>T20N, R27W           | Anaconda Co.             |                      |
|                          |             | Sec. 2,<br>T19N, R27W            | Anaconda Co.             |                      |
| Spring Creek             | 7576        | Sec. 25,<br>T21N, R27W           | Anaconda Co.             | 1964                 |
| Alder Creek              | 7519        | Sec. 23,<br>T23N, R25W           | C. F. and<br>Ellen Swope | 1964                 |

TABLE 23 - THREE-YEAR RIGHT-OF-WAY REQUIREMENTS (1962-1964 Incl.)\*  
continued

| Proposed<br>Sale                         | Road<br>Number | General<br>Location of<br>Right-of-Way | Land Owners    | Date of<br>Construction |
|------------------------------------------|----------------|----------------------------------------|----------------|-------------------------|
| - - - - - THOMPSON FALLS BLOCK - - - - - |                |                                        |                |                         |
| Marmot Peak                              | 7670           | Sec. 3,<br>T23N, R28W                  | N. P. Railway  | 1962                    |
| Jungle Creek                             | 529            | Sec. 30 & 32<br>T23N, R27W             | N. P. Railway  | 1962                    |
|                                          |                | Sec. 31,<br>T23N, R27W                 | Anaconda Co.   |                         |
|                                          |                | Sec. 32,<br>T23N, R27W                 | State of Mont. |                         |
|                                          | 7667           | Sec. 30 & 32<br>T23N, R27W             | N. P. Railway  | 1962                    |
|                                          |                | Sec. 32,<br>T23N, R27W                 | State of Mont. |                         |
|                                          |                | Sec. 19, 29, 30<br>T23N, R27W          | Anaconda Co.   |                         |
| Upper Jungle Creek                       | 7667           | Sec. 23,<br>T23N, R28W                 | Anaconda Co.   | 1963                    |
| Barktable Creek                          | 7664           | Sec. 18,<br>T22N, R27W                 | State of Mont. | 1964                    |
|                                          |                | Sec. 7,<br>T22N, R27W                  | Anaconda Co.   |                         |
|                                          | 7666           | Sec. 7,<br>T22N, R27W                  | Anaconda Co.   | 1964                    |

\* To be revised annually.

The following from the original have not been reproduced:

Map showing Land Use

" " Compartments

" " Ownership

" " Existing Roads 1960

" " Proposed Principal Roads and Sale Areas - 5-Year Plan

" " Location of Paired Plots







